

71
9/04

**SEMI-ANNUAL
GROUNDWATER MONITORING
SEPTEMBER 2004
2626 INDUSTRIAL PARKWAY
ELKHART, INDIANA**

OCTOBER 14, 2004

**PREPARED FOR
ACCRA PAC GROUP**

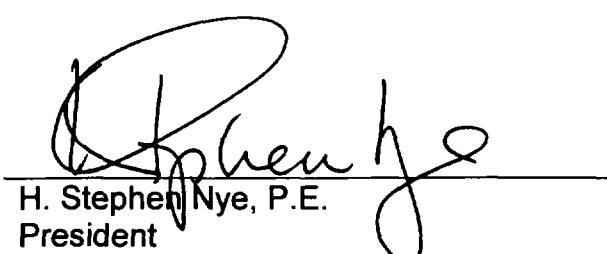
**PREPARED BY
EIS ENVIRONMENTAL ENGINEERS, INC.
1701 NORTH IRONWOOD DRIVE
SOUTH BEND, INDIANA 46635**

EPA Region 5 Records Ctr.

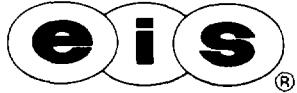


283184


**J. C. Sporleder, L.P.G.
Senior Project Geologist**


**H. Stephen Nye, P.E.
President**


**Wanada Baxter-Potter, P.E.
Senior Engineer**



October 20, 2004

CERTIFIED MAIL NO. 7003 1680 0000 7022 6471

Kenneth Theisen (HSE-5J)
USEPA - Region 5
77 West Jackson Blvd
Chicago, IL 60604-3590

**RE: ACCRA PAC/WARNER BAKER SITE
CIVIL ACTION #H89-0113
Semi-Annual Progress Report Missing Enclosure**

Dear Mr. Theisen:

This enclosure was omitted from the Semi-Annual Progress Report mailed yesterday.

Sincerely,

EIS ENVIRONMENTAL ENGINEERS, INC.

A handwritten signature in black ink, appearing to read "Wanada Baxter-Potter".

Wanada Baxter-Potter, P.E.
Senior Engineer

WBP:blr
Enclosure

cc: John Wingard, P.E., Accra Pac Group
Malcolm J. Tuesley, Esq.

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APPENDIX

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1.0 INTRODUCTION

This report concerns the September 21, 2004, semi-annual groundwater monitoring conducted by EIS Environmental Engineers, Inc., (EIS) for the property located at 2626 Industrial Parkway, Elkhart, Indiana (the Site). The monitoring was performed in accordance with the May 13, 1996, EIS report "Predesign and Compliance Monitoring Plan, Accra Pac Group/Warner Baker Site consent Decree, Civil Action No. H89-0113." Baseline groundwater monitoring was previously conducted by EIS on September 30, 1996. A report concerning the baseline-monitoring event was submitted by EIS to the US EPA on October 31, 1996.

The vapor extraction system was installed at the Site in accordance with the Final Design Submittal dated November 25, 1997. The operation of the vapor extraction system was initiated on June 25, 1998. A sparge system was installed at the Site during June 2000 and began operation on July 15, 2000. Since operations began, these systems have operated during the spring, summer and fall seasons and were shut off during the winter seasons. Until the 2004 winter season, these systems were shut off during the winter seasons. However, the systems were allowed to run continuously during and after the 2004 winter season. The sparge and vapor extraction systems were shut down at 12:35 PM on September 17, 2004, and were restarted at 15:45 PM on September 21, 2004. Therefore, the sparge and vapor extraction systems were not in operation during the subject September 21, 2004, sampling event and had not been in operation for at least twenty four (24) hours prior to this sampling event.

The purpose of the semi-annual monitoring is to determine groundwater contamination concentrations at compliance wells for comparison to the baseline groundwater test results in order to determine when groundwater remediation is complete. Table 1.1 lists the monitoring wells used for baseline and compliance groundwater monitoring.

This report has been prepared by EIS on behalf of the Accra Pac Group.

TABLE 1.1
MONITORING WELLS FOR BASELINE
AND COMPLIANCE MONITORING

WELL ID	SCREENED DEPTH BELOW GRADE (feet)	RELATIVE LOCATION OF WELL	PURPOSE
MW-1	16.3 - 26.3 ⁽¹⁾	Upgradient of site	Baseline
MW-4	16.8 - 26.8 ⁽¹⁾	Downgradient center of site	Baseline, Compliance
MW-7	30.0 - 40.0	Downgradient, northeast corner of site	Baseline, Compliance
MW-10B	49.5 - 54.5	Downgradient, northwest corner of site	Baseline, Compliance
MW-14	41.5 - 46.5	Adjacent to east pit	Baseline, Compliance
MW-15	39.7 - 44.7	Adjacent to west pit	Baseline, Compliance

Notes:

- (1) The screened depths for wells MW-1 and MW-4 are estimated from measured well depths and assume a ten-foot screened interval at the bottom of each well.

2.0 FIELD SAMPLING INFORMATION

EIS collected groundwater samples on September 21, 2004, from the compliance monitoring wells MW-4, MW-7, MW-10B, MW-14 and MW-15 at the Site. A field duplicate with extra volume for matrix spike/duplicate matrix spike analysis was collected from well MW-7. Each sample was collected with a Teflon bailer immediately after purging three well volumes of water with a PVC bailer. The sampling equipment was washed with non-phosphate detergent and triple rinsed with deionized water prior to each collection. The purge and decontamination water were contained on-site for subsequent off-site disposal. Details regarding each sample collection were recorded on monitoring well sampling forms provided in Appendix C.

Chain-of-custody records were maintained by EIS staff and are provided in Appendix B. All samples were shipped overnight for morning delivery on September 22, 2004, to the TestAmerica, Inc., laboratory in Indianapolis, Indiana.

3.0 GROUNDWATER FLOW DIRECTIONS

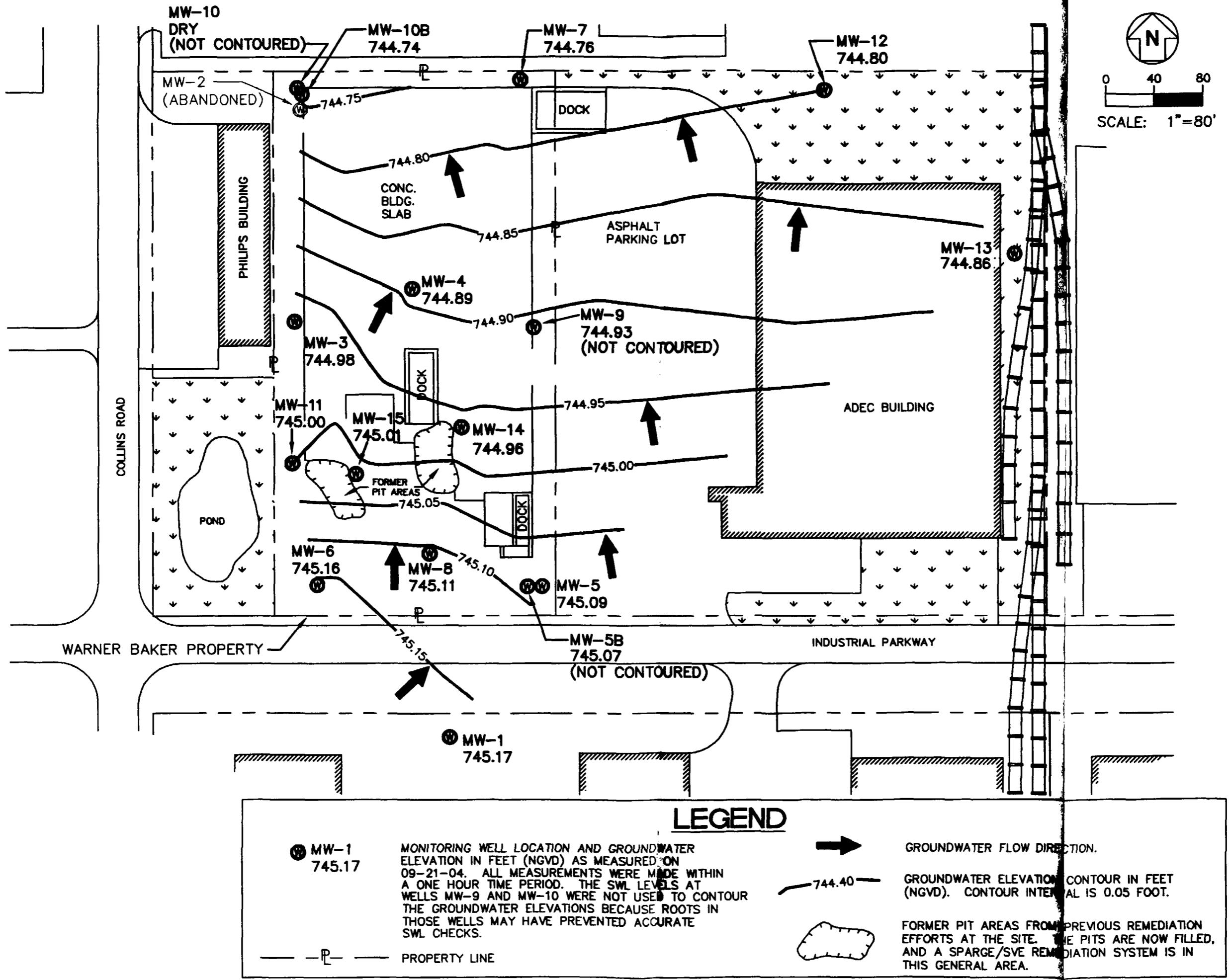
On September 21, 2004, EIS determined the static water levels (SWL) at the Site by measuring the depth to groundwater from the top of well casings to 0.01 foot. The SWL were measured at 13 wells at the Site, at well MW-1 located south of the Site, and at wells MW-12 and MW-13 located on the property adjacent to the east side of the Site. The SWL depth measurements for all 16 wells were conducted in about an 1.5-hour period of time and prior to the start of well sampling activities. The vapor extraction and sparge systems were shut off for at least 24 hours prior to the SWL measurements. Table 3.1 provides a summary of the SWL data. Figure 3.1 shows the SWL surface contours and groundwater flow directions at the Site as indicated by the September 21, 2004, SWL data. The groundwater flow directions show that compliance wells MW-7, MW-10B, MW-14 and MW-15 are generally downgradient with respect to the previously identified contaminant source areas in the vicinity of the two pits at the Site.

TABLE 3.1
STATIC WATER LEVEL DEPTH AND
ELEVATION BASELINE DATA
SEPTEMBER 21, 2004

Well I.D.	Time of Check	SWL Depth from TOC ⁽²⁾ (Feet)	TOC ⁽³⁾⁽⁴⁾ Elev. (Feet, N.G.V.D.)	SWL ⁽⁴⁾ Elev. (Feet, N.G.V.D.)
MW-1	11:17 A.M.	10.58	755.75	745.17
MW-3	12:21 P.M.	11.43	756.41	744.98
MW-4	12:13 P.M.	11.23	756.115	744.89
MW-5	11:30 A.M.	6.65	751.74	745.09
MW-5B	11:31 A.M.	6.47	751.54	745.07
MW-6	11:54 A.M.	5.78	750.94	745.16
MW-7	12:16 P.M.	11.26	756.015	744.76
MW-8	12:04 P.M.	6.91	752.02	745.11
MW-9	12:08 P.M.	Possible Roots at 10.73	755.66	Possible Roots at 744.93 ("Dry")
MW-10	12:18 P.M.	Roots / Dry at 11.55	756.815	Roots/Dry
MW-10B	12:17 P.M.	9.10	753.835	744.74
MW-11	12:30 P.M.	8.53	753.53	745.00
MW-12	11:42 A.M.	8.35	753.145	744.80
MW-13	11:36 A.M.	6.60	750.915	744.89
MW-14	12:33 P.M.	11.51	756.47	744.96
MW-15	12:36 P.M.	10.74	755.75	745.01

Notes:

- (1) SWL = Static Water Level.
- (2) TOC = Top of Well Casing.
- (3) TOC Elev. = TOC Elevation per EIS Survey of March 22, 2001.
- (4) SWL Elev. = SWL Elevation.
- (5) The sparge system was turned off at 12:35 P.M. on September 17, 2004, and then restarted at 15:45 PM on September 21, 2004, after all SWL checks and sampling were completed. The SVE system had been previously turned off for the 2004 winter season and was not restarted prior to or during the September 21, 2004, sampling event.



N
0 40 80
SCALE: 1"=80'

FIGURE 3.1

ACCRA PAC
2626 INDUSTRIAL PARKWAY, ELKHART INDIANA
GROUNDWATER FLOW DIRECTION MAP
SEPTEMBER 21, 2004

EIS ENVIRONMENTAL ENGINEERS, INC.
1701 North Ironwood Dr. • South Bend, IN 46635
Tele. (574) 277-5715 Fax. (574) 273-5693

Drawn JMS	Approved JCS
Date OCTOBER 200	Proj. No. 1092-0401-0
Sheet No. FIGURE 3.1	

4.0 ANALYTICAL RESULTS

4.1 Analytical Results

Analytical reports, with Quality Control and Quality Assurance data, for each sample collected are provided in Appendix A. A summary of the analytical results from the September 21, 2004, monitoring event is provided in Table 4.1. Trend graphs showing the concentrations over time are provided in Appendix D.

4.2 Comparison of Results with Established Clean-up Levels

The baseline analytical results for groundwater from compliance wells MW-4, MW-7, MW-10B, MW-14 and MW-15 were established during the September 30, 1996, baseline groundwater monitoring event. The 1996 baseline results are used to evaluate the results from compliance monitoring in order to determine if remediation is complete. The details for the evaluation procedure are provided in Section 2.0 of the May 13, 1996, EIS report "Predesign and Compliance Monitoring Plan." According with the terms of the Consent Order, the groundwater remediation will be considered complete when the total groundwater VOC concentrations at the compliance wells have stabilized at a 95% reduction of the total baseline VOC concentrations. On November 28, 2001, EIS requested that the USEPA clarify the appropriate procedure to calculate the 95% reduction of the total baseline VOC concentrations. In response to this request, Mr. Kenneth Theisen, the USEPA - Region 5 project manager, clarified that the remediation completion criteria would be based on the sum of VOC concentrations at all the compliance wells. Therefore, groundwater remediation will be considered complete when the sum of the total groundwater VOC concentrations determined by the compliance wells MW-4, MW-7, MW-10B, MW-14 and MW-15 have stabilized at a 95% reduction of the sum of the total baseline VOC concentrations for these wells. The total VOC concentrations, known as "VOC 15," are the sum of the analytical results for the following 15 VOC parameters:

1,2-Dichlorobenzene	Toluene
1,1-Dichloroethane	1,1,1-Trichloroethane
1,2-Dichloroethane	Trichloroethene
1,1-Dichloroethene	Trichlorofluoromethane
c-1,2-Dichloroethene	1,1,2-Trichlorotrifluoroethane
Dichlorofluoromethane	Vinyl Chloride
Ethylbenzene	Xylenes
Tetrachloroethene	

For the purposes of determining VOC 15, the parameters for which contamination were not detected are assigned a value of half of the Estimated Quantitation Limit (EQL) [A Sample Detection Limit (SDL) may be used if the laboratory reported SDL rather than EQL]. Table 4.2 lists the VOC 15 concentrations, associated data, clean-up levels, and an evaluation of whether or not the clean-up limits have been achieved. As is indicated in Table 4.2, the objective clean-up limits were not achieved as of the September 21, 2004, monitoring event. Therefore, remediation and semi-annual monitoring will continue. The next semi-annual groundwater sampling event is scheduled for March 2005.

TABLE 4.1
SUMMARY OF ANALYTICAL RESULTS
SEPTEMBER 21, 2004⁽¹⁾

VOC 15 PARAMETERS ⁽²⁾	RESULT (PPB)					
	WELL/SAMPLE ID					
	MW-4	MW-7	FD(MW-7) ⁽⁴⁾	MW-10B	MW-14	MW-15
1,2-Dichlorobenzene	ND	6.3	7.1	ND	1.5	ND
1,1-Dichloroethane	102	460	410	585	57.7	ND
1,2-Dichloroethane	ND	2.2	2.2	3.2	ND	ND
1,1-Dichloroethene	ND	3.0	ND	ND	ND	ND
c-1,2-Dichloroethene	2.1	24.2	26.5	13.3	2.1	ND
Dichlorofluoromethane	3.7	ND	4.7	76.9	4.0	ND
Ethylbenzene	ND	1.7	1.5	20.8	3.4	ND
Tetrachloroethene	3.0	4.9	5.2	218	207	ND
Toluene	ND	ND	ND	2.8	ND	ND
1,1,1-Trichloroethane	9.4	64.0	56.8	145	115	ND
Trichloroethene	ND	22.4	19.5	4.9	93.2	ND
Trichlorofluoromethane	1.6	1.0	1.1	22.2	13.8	ND
1,1,2-Trichlorotrifluoroethane	300	10.2	11.4	5,810	271	20,300
Vinyl Chloride	ND	10.3	9.2	2.4	ND	ND
Xylenes	ND	ND	ND	74.4	1.1	ND

Notes:

- (1) Semi-annual groundwater monitoring was conducted by EIS at the site located at 2626 Industrial Parkway, Elkhart, Indiana, on September 21, 2004.
- (2) VOC 15 Parameters = The list of 15 Volatile Organic Compounds (VOC) previously detected in groundwater at the Site. In accordance with the May 13, 1996, "Predesign and Compliance Monitoring Plan" the total concentration of these 15 VOC, identified as "VOC 15" is to be used to evaluate remediation at the Site. See text and Table 4.2 for details.
- (3) ND = Not Detected. See Analytical Reports in Appendix A for detection limits.
- (4) FD = Field Duplicate.

TABLE 4.2
DETERMINATION OF COMPLIANCE VOC 15 CONCENTRATIONS
AND COMPARISON WITH BASELINE VOC 15
CONCENTRATIONS AND CLEAN-UP LEVELS⁽¹⁾
SEPTEMBER 21, 2004, SAMPLING EVENT

	COMPLIANCE WELL/SAMPLE ID					SITE TOTALS
	MW-4	MW-7	FD(MW-7)	MW-10B	MW-14	MW-15
Detected VOC (ppb) ⁽²⁾	418.1	610.2	550.5	6,978.9	765.8	20,300
Number Non-Detects ⁽³⁾	8	1	2	1	3	1
EQL(ppb) ⁽⁴⁾	1	5	1	5	1	5
Non-Detected VOC (ppb) ⁽⁵⁾	8	5	2	5	3	5
½ Non-Detected VOC (ppb) ⁽⁶⁾	4	2.5	1	2.5	1.5	2.5
Compliance VOC 15 (ppb) ⁽⁷⁾	424.6	613.7	554.5	6,979.9	770.3	29,097.5
Baseline VOC 15 (ppb) from 1996 ⁽⁸⁾	4,111.6	1,751.6	1,751.6	16,530	99,870	82,850
5% Baseline VOC 15 (ppb) from 1996 ⁽⁹⁾	205.58	87.58	87.58	826.50	4,993.5	4,142.5
						10,343.24
						NO
Is Compliance VOC 15 < or = 5% Baseline VOC 15? ⁽¹⁰⁾						

Notes: See next page for notes to Table 4.2.

TABLE 4.2 (continued)
DETERMINATION OF COMPLIANCE VOC 15 CONCENTRATIONS
AND COMPARISON WITH AND BASELINE VOC 15
CONCENTRATIONS AND CLEAN-UP LEVELS ⁽¹⁾
SEPTEMBER 21, 2004, SAMPLING EVENT

Notes to Table 4.2:

- (1) Baseline data were calculated from the analyses of 15 target Volatile Organic Compounds (VOC 15) as obtained from the September 30, 1996, baseline groundwater monitoring event for the site located at 2626 Industrial Parkway, Elkhart, Indiana. See EIS report dated October 31, 1996, regarding the September 1996 baseline event and the May 13, 1996, EIS report, "Predesign and Compliance Monitoring Plan" for details for the determination and use of baseline results in the evaluation of future compliance monitoring results. On November 28, 2001, Mr. Kenneth Theisen, the USEPA – Region 5 project manager, clarified that the remediation completion criteria would be based on the sum of VOC concentrations at all the compliance wells. Therefore, groundwater remediation will be considered complete when the sum of the total groundwater VOC concentrations determined by the compliance wells MW-4, MW-7, MW-10B, MW-14 and MW-15 have stabilized at a 95% reduction of the sum of the total baseline VOC concentrations for these wells.
- (2) Detected VOC 15 = Total concentration of detected VOC from current monitoring event. See Table 4.1 and Analytical Reports in Appendix A for details.
- (3) Number Non-Detects = Number of target VOC parameters for which contamination was not detected in current monitoring event.
- (4) EQL = Estimated Quantitation Limit. A Reporting Detection Limit (RDL) may be used for evaluation purposes if the laboratory did not report an EQL. If more than one EQL or RDL is listed, parameter specific non-detected VOC values must be computed. See note 5 below.
- (5) Non-Detected VOC = The product obtained by multiplying the number of Non-Detected VOC by the EQL (or RDL). If more than one EQL or RDL is listed the Non-Detected VOC is the sum of the products obtained by multiplying number of Non-Detected VOC by the associated EQL or RDL values.
- (6) $\frac{1}{2}$ Non-Detected VOC = The quotient obtained by dividing the Non-Detected VOC by 2.
- (7) Compliance VOC 15 = The sum obtained by adding the Detected VOC 15 to the $\frac{1}{2}$ Non-Detected VOC. Compliance VOC 15 is a total value, comprising the sum of the 15 individual target VOC parameters.
- (8) Baseline VOC 15 = The sum of the 15 individual target VOC parameters as determined as a result of the 1996 baseline event.
- (9) 5% Baseline VOC 15 = 5% of the Baseline VOC 15 concentration. This value represents a 95% reduction in the total concentration of VOC 15 and is intended for use as a clean-up level in order to evaluate if remediation is complete.
- (10) If Compliance VOC 15 is less than or equal to 5% Baseline VOC 15, a 95% reduction in the concentration of VOC 15 is indicated and the clean-up level has been achieved. See the May 13, 1996, EIS report, "Predesign and Compliance Monitoring Plan" for actions to be taken once the clean-up levels have been achieved.
- (11) The field duplicate value is used in place of the value for the well for which it is a duplicate if the field duplicate value is greater.

APPENDIX A
ANALYTICAL RESULTS

TestAmerica Analytical Testing Corporation

Mr. JC Sporleder
EIS ENVIRONMENTAL ENG.
1701 N. Ironwood Drive
South Bend, IN 46635

Job Number: 04.20346
Report Date: 10/06/2004
Page: 1 of 12

Enclosed are the Analytical and Quality Control Reports for the following samples submitted to TestAmerica for analysis:

Project: 1092-0401-01/APG (ACCRA PAC) GW

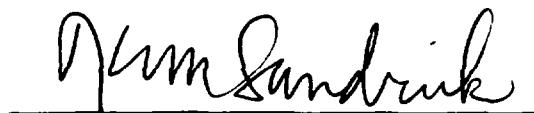
<u>Sample Number</u>	<u>Sample Description</u>	<u>Date Taken</u>	<u>Date Received</u>
967474	MW-4	09/21/2004	09/22/2004
967475	MW-7	09/21/2004	09/22/2004
967476	MW-10B	09/21/2004	09/22/2004
967477	MW-14	09/21/2004	09/22/2004
967478	MW-15	09/21/2004	09/22/2004
967479	FD+MS/MSD	09/21/2004	09/22/2004
967480	TRIP BLANK	09/21/2004	09/22/2004

The Quality Control report is generated on a batch basis. All information contained in this report is for the analytical batch(es) in which your sample(s) were analyzed.

TestAmerica certifies that the analytical results contained herein apply only to the specific samples analyzed. Reproduction of this report is permitted only in its entirety.

Enclosure

Project Management Approval



Dayton - 3601 South Dixie Drive, Dayton, OH 45439 937-294-6856/FAX:937-294-7816
Dundee (Chicago) - 1090 Rock Road Lane, Unit 11, Dundee, IL 60118 847-783-4960/FAX:847-783-4969
Indianapolis - 6964 Hillsdale Court, Indianapolis, IN 46250 317-842-4261/FAX:317-842-4286
Pontiac - 341 W. Walton Blvd, Pontiac, MI 48340 248-332-1940/FAX:248-332-5450

TestAmerica Analytical Testing Corporation
Analytical Report

Mr. JC Sporleder
 EIS ENVIRONMENTAL ENG.
 1701 N. Ironwood Drive
 South Bend, IN 46635

Job Number: 04.20346
 Report Date: 10/06/2004
 Page: 2 of 12

SAMPLE NO.	SAMPLE DESCRIPTION	DATE/TIME TAKEN
967474	MW-4	09/21/2004 13:30

		Result	Units	Reporting Limit	Run Flag	Run Date	Run Time	Prep Batch	Run Batch	Anal. Init.	Lab ID	Method Reference
VOLATILE COMPOUNDS - 8260 (AQ)												
8260 - SW846 (AQ)	Complete			Complete		09/24/2004		7186	jxc	DT		
1,2-Dichlorobenzene	<1.0	ug/L		<1.0		09/24/2004		7186	jxc	DT	SW 8260B	
1,1-Dichloroethane	102	ug/L		<1.0		09/24/2004		7186	jxc	DT	SW 8260B	
1,2-Dichloroethane	<1.0	ug/L		<1.0		09/24/2004		7186	jxc	DT	SW 8260B	
1,1-Dichloroethene	<1.0	ug/L		<1.0		09/24/2004		7186	jxc	DT	SW 8260B	
cis-1,2-Dichloroethene	2.1	ug/L		<1.0		09/24/2004		7186	jxc	DT	SW 8260B	
Ethylbenzene	<1.0	ug/L		<1.0		09/24/2004		7186	jxc	DT	SW 8260B	
Tetrachloroethene	3.0	ug/L		<1.0		09/24/2004		7186	jxc	DT	SW 8260B	
Toluene	<1.0	ug/L		<1.0		09/24/2004		7186	jxc	DT	SW 8260B	
1,1,1-Trichloroethane	9.4	ug/L		<1.0		09/24/2004		7186	jxc	DT	SW 8260B	
Trichloroethene	<1.0	ug/L		<1.0		09/24/2004		7186	jxc	DT	SW 8260B	
Trichlorofluoromethane	1.6	ug/L		<1.0		09/24/2004		7186	jxc	DT	SW 8260B	
Vinyl Chloride	<1.0	ug/L		<1.0		09/24/2004		7186	jxc	DT	SW 8260B	
Xylenes	<1.0	ug/L		<1.0		09/24/2004		7186	jxc	DT	SW 8260B	
d4-1,2-Dichloroethane(surr)	112	t		80-120		09/24/2004		7186	jxc	DT	SW 8260B	
Dibromofluoromethane(surr)	112	t		86-118		09/24/2004		7186	jxc	DT	SW 8260B	
d8-Toluene(surr)	99	t		88-110		09/24/2004		7186	jxc	DT	SW 8260B	
Bromofluorobenzene(surr)	103	t		86-115		09/24/2004		7186	jxc	DT	SW 8260B	
VOLATILES - MISC. (AQ)												
Dichlorofluoromethane	<5.0	ug/L		<5.0		09/24/2004		3023	bmh	IN		
1,1,2-Trichlorotrifluoroethane	300	ug/L		<50		09/24/2004		3024	bmh	IN		

TestAmerica Analytical Testing Corporation
Analytical Report

Mr. JC Sporleder
 EIS ENVIRONMENTAL ENG.
 1701 N. Ironwood Drive
 South Bend, IN 46635

Job Number: 04.20346
 Report Date: 10/06/2004
 Page: 3 of 12

SAMPLE NO.	SAMPLE DESCRIPTION	DATE/TIME TAKEN
967475	MW-7	09/21/2004 13:55

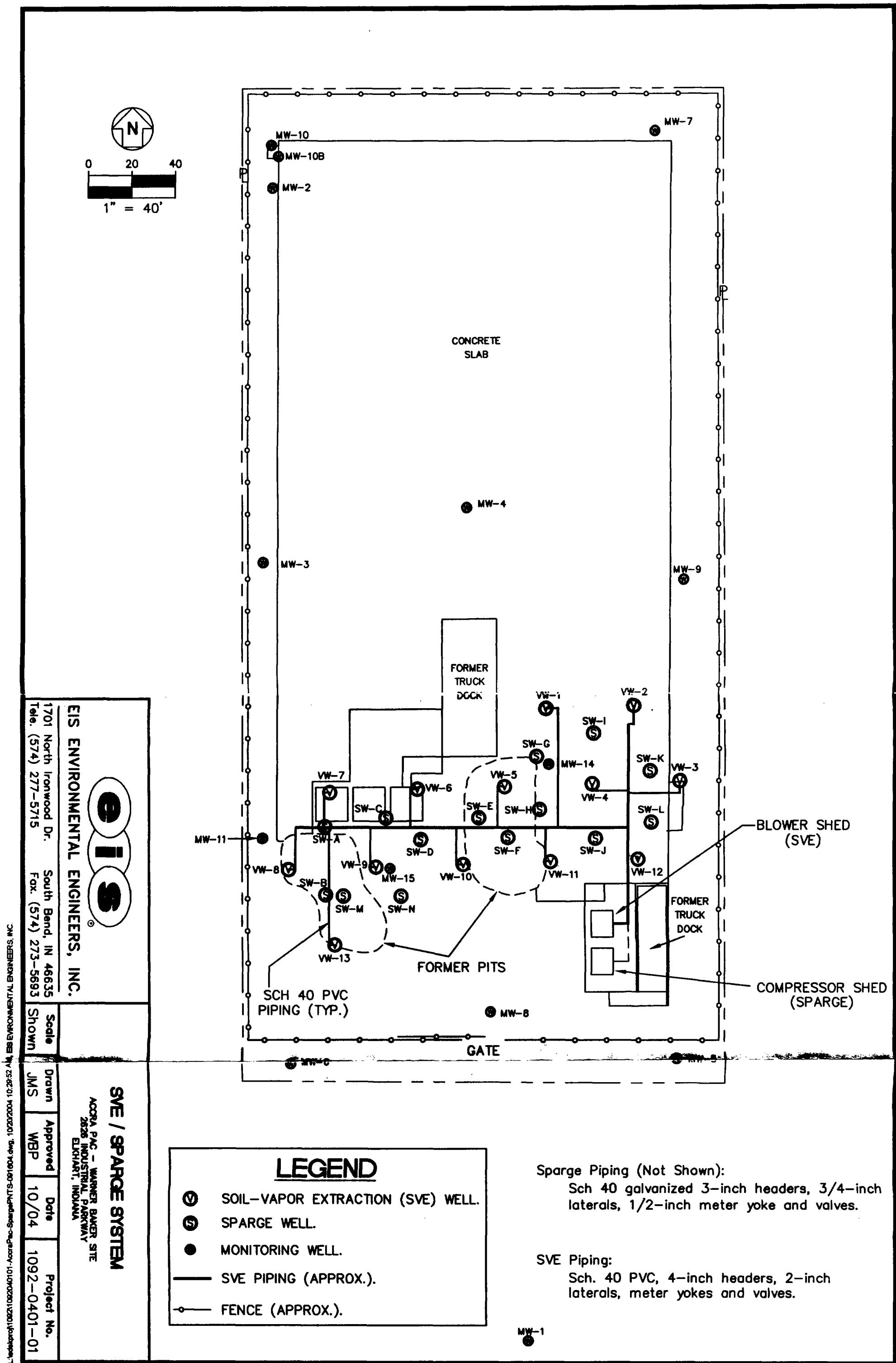
	Result	Units	Reporting Limit	Run Flag	Run Date	Run Time	Prep Batch	Run Batch	Anal. Init.	Lab ID	Method Reference
VOLATILE COMPOUNDS - 8260 (AQ)											
8260 - SW846 (AQ)	Complete		Complete		09/27/2004		7199	eap	DT		
1,2-Dichlorobenzene	6.3	ug/L	<1.0		09/27/2004		7199	eap	DT	SW 8260B	
1,1-Dichloroethane	460	ug/L	<10		09/24/2004		7193	bmh	DT	SW 8260B	
1,2-Dichloroethane	2.2	ug/L	<1.0		09/27/2004		7199	eap	DT	SW 8260B	
1,1-Dichloroethene	3.0	ug/L	<1.0		09/27/2004		7199	eap	DT	SW 8260B	
cis-1,2-Dichloroethene	24.2	ug/L	<1.0		09/27/2004		7199	eap	DT	SW 8260B	
Ethylbenzene	1.7	ug/L	<1.0		09/27/2004		7199	eap	DT	SW 8260B	
Tetrachloroethene	4.9	ug/L	<1.0		09/27/2004		7199	eap	DT	SW 8260B	
Toluene	<1.0	ug/L	<1.0		09/27/2004		7199	eap	DT	SW 8260B	
1,1,1-Trichloroethane	64.0	ug/L	<1.0		09/27/2004		7199	eap	DT	SW 8260B	
Trichloroethene	22.4	ug/L	<1.0		09/27/2004		7199	eap	DT	SW 8260B	
Trichlorofluoromethane	1.0	ug/L	<1.0		09/27/2004		7199	eap	DT	SW 8260B	
Vinyl Chloride	10.3	ug/L	<1.0		09/27/2004		7199	eap	DT	SW 8260B	
Xylenes	<1.0	ug/L	<1.0		09/27/2004		7199	eap	DT	SW 8260B	
d4-1,2-Dichloroethane(surr)	96	†	80-120		09/27/2004		7199	eap	DT	SW 8260B	
Dibromofluoromethane(surr)	98	†	86-118		09/27/2004		7199	eap	DT	SW 8260B	
d8-Toluene(surr)	106	†	88-110		09/27/2004		7199	eap	DT	SW 8260B	
Bromofluorobenzene(surr)	96	†	86-115		09/27/2004		7199	eap	DT	SW 8260B	
VOLATILES - MISC. (AQ)											
Dichlorofluoromethane	<5.0	ug/L	<5.0		09/27/2004		3027	eap	IN		
1,1,2-Trichlorotrifluoroethane	10.2	ug/L	<5.0		09/27/2004		3027	eap	IN		

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SAMPLE NO.	SAMPLE DESCRIPTION				DATE/TIME TAKEN						
967476	MW-10B				09/21/2004 15:20						
	Result	Units	Reporting Limit	Run Flag	Run Date	Run Time	Prep Batch	Run Batch	Anal. Init.	Lab ID	Method Reference
VOLATILE COMPOUNDS - 8260 (AQ)											
8260 - SW846 (AQ)	Complete		Complete		09/24/2004		7186	jxc	DT		
1,2-Dichlorobenzene	<1.0	ug/L	<1.0		09/24/2004		7186	jxc	DT	SW 8260B	
1,1-Dichloroethane	585	ug/L	<100		09/25/2004		7192	jpp	DT	SW 8260B	
1,2-Dichloroethane	3.2	ug/L	<1.0		09/24/2004		7186	jxc	DT	SW 8260B	
1,1-Dichloroethene	<1.0	ug/L	<1.0		09/24/2004		7186	jxc	DT	SW 8260B	
cis-1,2-Dichloroethene	13.3	ug/L	<1.0		09/24/2004		7186	jxc	DT	SW 8260B	
Ethylbenzene	20.8	ug/L	<1.0		09/24/2004		7186	jxc	DT	SW 8260B	
Tetrachloroethene	218	ug/L	<100		09/25/2004		7192	jpp	DT	SW 8260B	
Toluene	2.8	ug/L	<1.0		09/24/2004		7186	jxc	DT	SW 8260B	
1,1,1-Trichloroethane	145	ug/L	<1.0		09/24/2004		7186	jxc	DT	SW 8260B	
Trichloroethene	4.9	ug/L	<1.0		09/24/2004		7186	jxc	DT	SW 8260B	
Trichlorofluoromethane	22.2	ug/L	<1.0		09/24/2004		7186	jxc	DT	SW 8260B	
Vinyl Chloride	2.4	ug/L	<1.0		09/24/2004		7186	jxc	DT	SW 8260B	
Xylenes	74.4	ug/L	<1.0		09/24/2004		7186	jxc	DT	SW 8260B	
d4-1,2-Dichloroethane(surr)	110	t	80-120		09/24/2004		7186	jxc	DT	SW 8260B	
Dibromofluoromethane(surr)	113	t	86-118		09/24/2004		7186	jxc	DT	SW 8260B	
d8-Toluene(surr)	100	t	88-110		09/24/2004		7186	jxc	DT	SW 8260B	
Bromofluorobenzene(surr)	103	t	86-115		09/24/2004		7186	jxc	DT	SW 8260B	
VOLATILES - MISC. (AQ)											
Dichlorofluoromethane	76.9	ug/L	<5.0		09/24/2004		3023	jxc	IN		
1,1,2-Trichlorotrifluoroethane	5,810	ug/L	<500		09/25/2004		3025	jpp	IN		



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SAMPLE NO.	SAMPLE DESCRIPTION				DATE/TIME TAKEN						
967477	MW-14				09/21/2004 14:15						
	Result	Units	Reporting Limit	Run Flag	Run Date	Run Time	Prep Batch	Run Batch	Anal. Init.	Lab ID	Method Reference
VOLATILE COMPOUNDS - 8260 (AQ)											
8260 - SW846 (AQ)	Complete		Complete		09/24/2004		7186	jxc	DT		
1,2-Dichlorobenzene	1.5	ug/L	<1.0		09/24/2004		7186	jxc	DT	SW 8260B	
1,1-Dichloroethane	57.7	ug/L	<1.0		09/24/2004		7186	jxc	DT	SW 8260B	
1,2-Dichloroethane	<1.0	ug/L	<1.0		09/24/2004		7186	jxc	DT	SW 8260B	
1,1-Dichloroethene	<1.0	ug/L	<1.0		09/24/2004		7186	jxc	DT	SW 8260B	
cis-1,2-Dichloroethene	2.1	ug/L	<1.0		09/24/2004		7186	jxc	DT	SW 8260B	
Ethylbenzene	3.4	ug/L	<1.0		09/24/2004		7186	jxc	DT	SW 8260B	
Tetrachloroethene	207	ug/L	<10		09/24/2004		7193	bmh	DT	SW 8260B	
Toluene	<1.0	ug/L	<1.0		09/24/2004		7186	jxc	DT	SW 8260B	
1,1,1-Trichloroethane	115	ug/L	<1.0		09/24/2004		7186	jxc	DT	SW 8260B	
Trichloroethene	93.2	ug/L	<1.0		09/24/2004		7186	jxc	DT	SW 8260B	
Trichlorofluoromethane	13.8	ug/L	<1.0		09/24/2004		7186	jxc	DT	SW 8260B	
Vinyl Chloride	<1.0	ug/L	<1.0		09/24/2004		7186	jxc	DT	SW 8260B	
Xylenes	1.1	ug/L	<1.0		09/24/2004		7186	jxc	DT	SW 8260B	
d4-1,2-Dichloroethane(surr)	111	%	80-120		09/24/2004		7186	jxc	DT	SW 8260B	
Dibromofluoromethane(surr)	108	%	86-118		09/24/2004		7186	jxc	DT	SW 8260B	
d8-Toluene(surr)	101	%	88-110		09/24/2004		7186	jxc	DT	SW 8260B	
Bromofluorobenzene(surr)	105	%	86-115		09/24/2004		7186	jxc	DT	SW 8260B	
VOLATILES - MISC. (AQ)											
Dichlorofluoromethane	<5.0	ug/L	<5.0		09/24/2004		3023	bmh	IN		
1,1,2-Trichlorotrifluoroethane	271	ug/L	<50		09/24/2004		3026	bmh	IN		

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SAMPLE NO.	SAMPLE DESCRIPTION	DATE/TIME TAKEN
967478	MW-15	09/21/2004 15:00

	Result	Units	Reporting Limit	Run Flag	Run Date	Run Time	Prep Batch	Run Batch	Anal. Init.	Lab ID	Method Reference
VOLATILE COMPOUNDS - 8260 (AQ)											
8260 - SW846 (AQ)	Complete		Complete		10/03/2004		7226	bmh	DT		
1,2-Dichlorobenzene	<1.0	ug/L	<1.0		10/03/2004		7226	bmh	DT	SW 8260B	
1,1-Dichloroethane	<1.0	ug/L	<1.0		10/03/2004		7226	bmh	DT	SW 8260B	
1,2-Dichloroethane	<1.0	ug/L	<1.0		10/03/2004		7226	bmh	DT	SW 8260B	
1,1-Dichloroethene	<1.0	ug/L	<1.0		10/03/2004		7226	bmh	DT	SW 8260B	
cis-1,2-Dichloroethene	<1.0	ug/L	<1.0		10/03/2004		7226	bmh	DT	SW 8260B	
Ethylbenzene	<1.0	ug/L	<1.0		10/03/2004		7226	bmh	DT	SW 8260B	
Tetrachloroethene	<1.0	ug/L	<1.0		10/03/2004		7226	bmh	DT	SW 8260B	
Toluene	<1.0	ug/L	<1.0		10/03/2004		7226	bmh	DT	SW 8260B	
1,1,1-Trichloroethane	<1.0	ug/L	<1.0		10/03/2004		7226	bmh	DT	SW 8260B	
Trichloroethene	<1.0	ug/L	<1.0		10/03/2004		7226	bmh	DT	SW 8260B	
Trichlorofluoromethane	<1.0	ug/L	<1.0		10/03/2004		7226	bmh	DT	SW 8260B	
Vinyl Chloride	<1.0	ug/L	<1.0		10/03/2004		7226	bmh	DT	SW 8260B	
Xylenes	<1.0	ug/L	<1.0		10/03/2004		7226	bmh	DT	SW 8260B	
d4-1,2-Dichloroethane(surr)	115	¶	80-120		10/03/2004		7226	bmh	DT	SW 8260B	
Dibromofluoromethane(surr)	116	¶	86-118		10/03/2004		7226	bmh	DT	SW 8260B	
d8-Toluene(surr)	94	¶	88-110		10/03/2004		7226	bmh	DT	SW 8260B	
Bromofluorobenzene(surr)	101	¶	86-115		10/03/2004		7226	bmh	DT	SW 8260B	
VOLATILES - MISC. (AQ)											
Dichlorofluoromethane	<5.0	ug/L	<5.0		10/03/2004		3029	bmh	IN		
1,1,2-Trichlorotrifluoroethane	20,300	ug/L	<5,000		09/26/2004		3028	bmh	IN		

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SAMPLE NO.	SAMPLE DESCRIPTION	DATE/TIME TAKEN
967479	FD+MS/MSD	09/21/2004 14:00

		Result	Units	Reporting Limit	Run Flag	Run Date	Run Time	Prep Batch	Run Batch	Anal. Init.	Lab ID	Method Reference
VOLATILE COMPOUNDS - 8260 (AQ)												
8260 - SW846 (AQ)	Complete			Complete		09/24/2004		7186	jxc	DT		
1,2-Dichlorobenzene	7.1	ug/L		<1.0		09/24/2004		7186	jxc	DT	SW 8260B	
1,1-Dichloroethane	410	ug/L		<10		09/24/2004		7193	bmh	DT	SW 8260B	
1,2-Dichloroethane	2.2	ug/L		<1.0		09/24/2004		7186	jxc	DT	SW 8260B	
1,1-Dichloroethene	<1.0	ug/L		<1.0		09/24/2004		7186	jxc	DT	SW 8260B	
cis-1,2-Dichloroethene	26.5	ug/L		<1.0		09/24/2004		7186	jxc	DT	SW 8260B	
Ethylbenzene	1.5	ug/L		<1.0		09/24/2004		7186	jxc	DT	SW 8260B	
Tetrachloroethene	5.2	ug/L		<1.0		09/24/2004		7186	jxc	DT	SW 8260B	
Toluene	<1.0	ug/L		<1.0		09/24/2004		7186	jxc	DT	SW 8260B	
1,1,1-Trichloroethane	56.8	ug/L		<1.0		09/24/2004		7186	jxc	DT	SW 8260B	
Trichloroethene	19.5	ug/L		<1.0		09/24/2004		7186	jxc	DT	SW 8260B	
Trichlorofluoromethane	1.1	ug/L		<1.0		09/24/2004		7186	jxc	DT	SW 8260B	
Vinyl Chloride	9.2	ug/L		<1.0		09/24/2004		7186	jxc	DT	SW 8260B	
Xylenes	<1.0	ug/L		<1.0		09/24/2004		7186	jxc	DT	SW 8260B	
d4-1,2-Dichloroethane(surr)	113	%		80-120		09/24/2004		7186	jxc	DT	SW 8260B	
Dibromofluoromethane(surr)	117	%		86-118		09/24/2004		7186	jxc	DT	SW 8260B	
d8-Toluene(surr)	98	%		88-110		09/24/2004		7186	jxc	DT	SW 8260B	
Bromofluorobenzene(surr)	103	%		86-115		09/24/2004		7186	jxc	DT	SW 8260B	
VOLATILES - MISC. (AQ)												
Dichlorofluoromethane	<5.0	ug/L		<5.0		09/24/2004		3023	bmh	IN		
1,1,2-Trichlorotrifluoroethane	11.4	ug/L		<5.0		09/24/2004		3023	bmh	IN		

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SAMPLE NO.	SAMPLE DESCRIPTION	DATE/TIME TAKEN
967480	TRIP BLANK	09/21/2004

	Result	Units	Reporting Limit	Run Flag	Run Date	Run Time	Prep Batch	Run Batch	Anal. Init.	Lab ID	Method Reference
VOLATILE COMPOUNDS - 8260 (AQ)											
8260 - SW846 (AQ)	Complete		Complete		09/24/2004		7186	jxc	DT		
1,2-Dichlorobenzene	<1.0	ug/L	<1.0		09/24/2004		7186	jxc	DT	SW 8260B	
1,1-Dichloroethane	<1.0	ug/L	<1.0		09/24/2004		7186	jxc	DT	SW 8260B	
1,2-Dichloroethane	<1.0	ug/L	<1.0		09/24/2004		7186	jxc	DT	SW 8260B	
1,1-Dichloroethene	<1.0	ug/L	<1.0		09/24/2004		7186	jxc	DT	SW 8260B	
cis-1,2-Dichloroethene	<1.0	ug/L	<1.0		09/24/2004		7186	jxc	DT	SW 8260B	
Ethylbenzene	<1.0	ug/L	<1.0		09/24/2004		7186	jxc	DT	SW 8260B	
Tetrachloroethene	<1.0	ug/L	<1.0		09/24/2004		7186	jxc	DT	SW 8260B	
Toluene	<1.0	ug/L	<1.0		09/24/2004		7186	jxc	DT	SW 8260B	
1,1,1-Trichloroethane	<1.0	ug/L	<1.0		09/24/2004		7186	jxc	DT	SW 8260B	
Trichloroethene	<1.0	ug/L	<1.0		09/24/2004		7186	jxc	DT	SW 8260B	
Trichlorofluoromethane	<1.0	ug/L	<1.0		09/24/2004		7186	jxc	DT	SW 8260B	
Vinyl Chloride	<1.0	ug/L	<1.0		09/24/2004		7186	jxc	DT	SW 8260B	
Xylenes	<1.0	ug/L	<1.0		09/24/2004		7186	jxc	DT	SW 8260B	
d4-1,2-Dichloroethane(surr)	111	t	80-120		09/24/2004		7186	jxc	DT	SW 8260B	
Dibromofluoromethane(surr)	111	t	86-118		09/24/2004		7186	jxc	DT	SW 8260B	
d8-Toluene(surr)	100	t	88-110		09/24/2004		7186	jxc	DT	SW 8260B	
Bromofluorobenzene(surr)	105	t	86-115		09/24/2004		7186	jxc	DT	SW 8260B	
VOLATILES - MISC. (AQ)											
Dichlorofluoromethane	<5.0	ug/L	<5.0		09/24/2004		3023	jxc	IN		
1,1,2-Trichlorotrifluoroethane	<5.0	ug/L	<5.0		09/24/2004		3023	jxc	IN		

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Analyte	Prep	Run			Date	Date	
	Batch	Batch	Blank	Result	Units	Prepped	Analyzed
	Number	Number					
VOLATILE COMPOUNDS - 8260 (AQ)							
1,2-Dichlorobenzene		7186	<1.0	ug/L		09/24/2004	
1,1-Dichloroethane		7186	<1.0	ug/L		09/24/2004	
1,2-Dichloroethane		7186	<1.0	ug/L		09/24/2004	
1,1-Dichloroethene		7186	<1.0	ug/L		09/24/2004	
cis-1,2-Dichloroethene		7186	<1.0	ug/L		09/24/2004	
Ethylbenzene		7186	<1.0	ug/L		09/24/2004	
Tetrachloroethene		7186	<1.0	ug/L		09/24/2004	
Toluene		7186	<1.0	ug/L		09/24/2004	
1,1,1-Trichloroethane		7186	<1.0	ug/L		09/24/2004	
Trichloroethene		7186	<1.0	ug/L		09/24/2004	
Trichlorofluoromethane		7186	<1.0	ug/L		09/24/2004	
Vinyl Chloride		7186	<1.0	ug/L		09/24/2004	
Xylenes		7186	<1.0	ug/L		09/24/2004	
d4-1,2-Dichloroethane(surr)		7186	110	¶		09/24/2004	
Dibromofluoromethane(surr)		7186	111	¶		09/24/2004	
d8-Toluene(surr)		7186	101	¶		09/24/2004	
Bromofluorobenzene(surr)		7186	102	¶		09/24/2004	
VOLATILE COMPOUNDS - 8260 (AQ)							
1,1-Dichloroethane		7192	<1.0	ug/L		09/25/2004	
Tetrachloroethene		7192	<1.0	ug/L		09/25/2004	
VOLATILE COMPOUNDS - 8260 (AQ)							
1,1-Dichloroethane		7193	<1.0	ug/L		09/24/2004	
Tetrachloroethene		7193	<1.0	ug/L		09/24/2004	
VOLATILE COMPOUNDS - 8260 (AQ)							
1,2-Dichlorobenzene		7199	<1.0	ug/L		09/27/2004	
1,2-Dichloroethane		7199	<1.0	ug/L		09/27/2004	
1,1-Dichloroethene		7199	<1.0	ug/L		09/27/2004	
cis-1,2-Dichloroethene		7199	<1.0	ug/L		09/27/2004	
Ethylbenzene		7199	<1.0	ug/L		09/27/2004	
Tetrachloroethene		7199	<1.0	ug/L		09/27/2004	
Toluene		7199	<1.0	ug/L		09/27/2004	
1,1,1-Trichloroethane		7199	<1.0	ug/L		09/27/2004	
Trichloroethene		7199	<1.0	ug/L		09/27/2004	
Trichlorofluoromethane		7199	<1.0	ug/L		09/27/2004	
Vinyl Chloride		7199	<1.0	ug/L		09/27/2004	
Xylenes		7199	<1.0	ug/L		09/27/2004	
d4-1,2-Dichloroethane(surr)		7199	95	¶		09/27/2004	
Dibromofluoromethane(surr)		7199	100	¶		09/27/2004	

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Analyte	Prep	Run			Date	Date
	Batch Number	Batch Number	Blank Result	Units	Prepped	Analyzed
d8-Toluene(surr)		7199	103	¶		09/27/2004
Bromofluorobenzene(surr)		7199	95	¶		09/27/2004
VOLATILE COMPOUNDS - 8260 (AQ)						
1,2-Dichlorobenzene		7226	<1.0	ug/L		10/03/2004
1,1-Dichloroethane		7226	<1.0	ug/L		10/03/2004
1,2-Dichloroethane		7226	<1.0	ug/L		10/03/2004
1,1-Dichloroethene		7226	<1.0	ug/L		10/03/2004
cis-1,2-Dichloroethene		7226	<1.0	ug/L		10/03/2004
Ethylbenzene		7226	<1.0	ug/L		10/03/2004
Tetrachloroethene		7226	<1.0	ug/L		10/03/2004
Toluene		7226	<1.0	ug/L		10/03/2004
1,1,1-Trichloroethane		7226	<1.0	ug/L		10/03/2004
Trichloroethene		7226	<1.0	ug/L		10/03/2004
Trichlorofluoromethane		7226	<1.0	ug/L		10/03/2004
Vinyl Chloride		7226	<1.0	ug/L		10/03/2004
Xylenes		7226	<1.0	ug/L		10/03/2004
d4-1,2-Dichloroethane(surr)		7226	112	¶		10/03/2004
Dibromofluoromethane(surr)		7226	106	¶		10/03/2004
d8-Toluene(surr)		7226	94	¶		10/03/2004
Bromofluorobenzene(surr)		7226	99	¶		10/03/2004

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LCS/LCS Dups do not apply to all parameters and are used in place of MS/MSD for precision determinations when sample volume is unavailable for spiking a client sample.

Analyte	Prep	Run	LCS	LCS	LCS	LCSD	LCSD	% Rec.	Control	RPD	LIMIT
	Batch	Batch	Date	True	Conc	%	Conc				
	No.	No.	Analyzed	Conc	Found	Rec.	Found				
VOLATILE COMPOUNDS - 8260 (AQ)											
1,1-Dichloroethene	7186	09/24/2004	20	22.0	110			71 - 127	25		
Ethylbenzene	7186	09/24/2004	20	20.2	101			75 - 124	25		
Toluene	7186	09/24/2004	20	20.0	100			68 - 137	25		
Trichloroethene	7186	09/24/2004	20	21.0	105			76 - 133	25		
Xylenes	7186	09/24/2004	60	59.6	99			75 - 124	25		
d4-1,2-Dichloroethane(surr)	7186	09/24/2004	50	55.0	110			80 - 120	25		
Dibromofluoromethane(surr)	7186	09/24/2004	50	53.5	107			86 - 118	25		
d8-Toluene(surr)	7186	09/24/2004	50	50.4	101			88 - 110	25		
Bromofluorobenzene(surr)	7186	09/24/2004	50	51.1	102			86 - 115	25		
VOLATILE COMPOUNDS - 8260 (AQ)											
VOLATILE COMPOUNDS - 8260 (AQ)											
VOLATILE COMPOUNDS - 8260 (AQ)											
1,1-Dichloroethene	7199	09/27/2004	20.0	20.6	103			71 - 127	25		
Ethylbenzene	7199	09/27/2004	20.0	22.6	113			75 - 124	25		
Toluene	7199	09/27/2004	20.0	20.8	104			68 - 137	25		
Trichloroethene	7199	09/27/2004	20.0	21.9	110			76 - 133	25		
Xylenes	7199	09/27/2004	60.0	68.4	114			75 - 124	25		
d4-1,2-Dichloroethane(surr)	7199	09/27/2004	50.0	48.6	97			80 - 120	25		
Dibromofluoromethane(surr)	7199	09/27/2004	50.0	49.4	99			86 - 118	25		
d8-Toluene(surr)	7199	09/27/2004	50.0	50.5	101			88 - 110	25		
Bromofluorobenzene(surr)	7199	09/27/2004	50.0	52.6	105			86 - 115	25		
VOLATILE COMPOUNDS - 8260 (AQ)											
1,1-Dichloroethene	7226	10/03/2004	20.0	20.7	104			71 - 127	25		
Ethylbenzene	7226	10/03/2004	20.0	19.3	96			75 - 124	25		
Toluene	7226	10/03/2004	20.0	19.4	97			68 - 137	25		
Trichloroethene	7226	10/03/2004	20.0	20.5	102			76 - 133	25		
Xylenes	7226	10/03/2004	60.0	57.6	96			75 - 124	25		
d4-1,2-Dichloroethane(surr)	7226	10/03/2004	50.0	57.9	116			80 - 120	25		
Dibromofluoromethane(surr)	7226	10/03/2004	50.0	54.1	108			86 - 118	25		
d8-Toluene(surr)	7226	10/03/2004	50.0	48.0	96			88 - 110	25		
Bromofluorobenzene(surr)	7226	10/03/2004	50.0	51.1	102			86 - 115	25		

TestAmerica Analytical Testing Corporation
Quality Control Report
Matrix Spike/Matrix Spike Duplicate

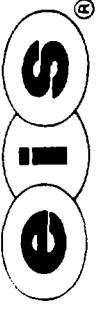
Mr. JC Sporleder
EIS ENVIRONMENTAL ENG.
1701 N. Ironwood Drive
South Bend, IN 46635

Job Number: 04.20346
Report Date: 10/06/2004
Page: 12 of 12

Matrix Spike/Matrix Spike Duplicate Samples may not be samples from this job.

Analyte	Sample Number	Prep Batch	Run Batch	MS % Rec.	MSD % Rec.	MS RPD	MSD Limits	RPD Limit	Flags
VOLATILE COMPOUNDS - 8260 (AQ)	965767								
VOLATILE COMPOUNDS - 8260 (AQ)	967477								
VOLATILE COMPOUNDS - 8260 (AQ)	967455								
1,1-Dichloroethene	967455		7199	125	115	8.3	71 - 127	25	
Ethylbenzene	967455		7199	115	115	0.0	75 - 124	25	
Toluene	967455		7199	115	110	4.4	68 - 137	25	
Trichloroethene	967455		7199	112	106	3.2	76 - 133	25	
Xylenes	967455		7199	117	113	2.9	75 - 124	25	
VOLATILE COMPOUNDS - 8260 (AQ)	966808								
1,1-Dichloroethene	966808		7226	115	115	0.0	71 - 127	25	
Ethylbenzene	966808		7226	106	96	1.9	75 - 124	25	
Toluene	966808		7226	104	100	4.7	68 - 137	25	
Trichloroethene	966808		7226	110	110	0.0	76 - 133	25	
Xylenes	966808		7226	100	98	0.5	75 - 124	25	

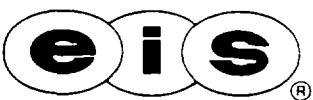
APPENDIX B
CHAIN-OF-CUSTODY DOCUMENTS



CHAIN OF CUSTODY RECORD

Page 1 of 1

APPENDIX C
FIELD SAMPLING FORMS



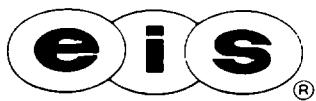
STATIC WATER LEVEL FIELD CHECK RECORD

Site Location:	Accra Pac / Warner Baker Site, 2626 Industrial Parkway, Elkhart, Indiana
EIS Field Personnel:	Josh & JC Sporleder
Equipment Used:	Electronic Water Mark

Station or Well ID	Date & Time of Check	TOC ⁽¹⁾ to SWL ⁽²⁾ (feet)	TOC Elev. ⁽³⁾ (feet)	SWL Elev. (feet)	Comments
MW-1	11:17	10.58	755.75	745.17	
MW-3	12:21	11.43	756.41	744.98	
MW-4	12:13	11.23	756.115	744.885	
MW-5	11:30	6.65	751.74	745.09	Procover has sunk 2". Now rests on locking cap of well
MW-5B	11:31	6.47	751.54	745.07	
MW-6	11:49 ^{11:54}	5.68 ^{5.78} _{3m2}	750.94	745.16 ^{26mns}	Slow recharge rate.
MW-7	12:16	11.26	756.015	744.755	
MW-8	12:04	6.91	752.02	745.11	
MW-9	12:08	10.73 ^{10.77}	755.66	744.89 ^{8m}	
MW-10	12:18	Dry, Roots at 11.55	756.815	Roots/ - Dry -	Roots (?) @ 11.55' from TOC Installed new lock.
MW-10B	12:17	9.10	753.835	744.735	
MW-11	12:30	8.53	753.53	745.00	
MW-12	11:42	8.35	753.145	744.795	
MW-13	11:36	6.06	750.915	744.855	
MW-14	12:33	11.51	756.47	744.96	
MW-15	12:36	10.74	755.75	745.01	

Notes:

- 1) TOC = Top of Well Casing.
- 2) SWL = Static Water Level.
- 3) Elev. = Elevation in feet (N.G.V.D.).



MONITORING WELL SAMPLING FORM

Well I.D.: MW-4
 Sample I.D.: MW-4
 Collector(s): Josh Sporleder
 Lab No.: 967474

Sample Date: 9 / 21 / 04 13 : 30 am / pm
 Client: APG (Accra Pac Group) (1092)
 Project No.: 1092 - 0401-01
 Location: 2626 Industrial Parkway, Elkhart, Indiana
 Laboratory: TestAmerica, Inc.

PRE-PURGE

Well Material: (PVC / Stainless) / Galvanized / _____
 Elevation top of Casing (TOC): 756.115 Ft
 SWL Depth from TOC: 11.24 Ft
 Well Depth from TOC: 26.8 Ft
 Height of Water Column: 15.56 Ft
 Volume/Foot Casing ($d^2 \times 0.04079$): 0.1632 Gal / Ft
 Volume of Water Column: 2.54 Gallons

Inside Diameter: 2 Inches
 Grade Elevation: ~754.115 Ft
 SWL Elevation: 744.875 Ft
 TOC to Grade: ~2.0 Ft
 Well Depth from Grade: ~24.80 Ft

PURGE

Time & Date Purged: 13 : 05 am / pm 9 / 21 / 04
 Calculated Volume to Purge: 7.62 Gallons
 Actual Volume Purged: 8.0 Gallons

Purged: dry / 1 2 3 4 5 6 7 8 9 10 Well Volumes

Purged With: Pump - Type: -na- Tubing Size: -na-
 Make: -na- Tubing Type: -na-

(Bailer) (PVC / SS / Teflon / _____)

Rope Material: (Polypropylene) / other: _____

Equipment Dedicated? YES / NO Decontaminated With: Non-phosphate detergent wash
 & de-ionized water rinses.

SAMPLING

Time & Date Sampled: 13 : 30 am / pm 9 / 21 / 04
 Weather Conditions: Sky: clear Ground: concrete Wind: 0-5 MPH
 Temp: 81°F Humidity: High / Moderate / Low %: — Precipitation: none

SWL (Depth From TOC) Prior to Sampling: 11.24 Ft

Height of Water Column Prior to Sampling: 15.56 Ft

Recovery to 100 % of original water column depth.

Sampled With: Pump - Type: -na- Tubing Size: -na-
 Make: -na- Tubing Type: -na-

(Bailer) (PVC / SS / Teflon / _____)

Rope Material: (Polypropylene) / other: _____

Equipment Dedicated? YES / NO Decontaminated With: Non-phosphate detergent wash
 & de-ionized water rinses.

Water Appearance: (Clear / Slightly Turbid / Very Turbid) (Color: gray / brown / tan / "Tea like")

Containers Collected	(Size	&	Type)	Preservatives
	40 cc		glass vials	1 + 1 HCL
				—
				—
				—
				—

Were metals filtered prior to preservation?: YES / NO / METALS NOT SAMPLED

Filtration Method: (gravity / vacuum / pressure) Device Type: -na-

Filter: (cartridge / paper) Type: -na- Size: -na- Pore: -na-

Were samples iced after collection? YES / NO / —

OTHER

Field Tests: pH Meter Type: _____ S.C. Meter Type: _____

Test Result

Notes: * TOC elevation data per EIS Survey of 9-25-96.

Temp: — °C

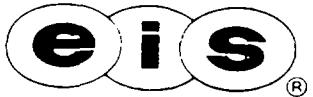
—

pH: — pH

—

S.C.: — μmhos

—



MONITORING WELL SAMPLING FORM

FD+ms/oms: 14:00 pm, 9-21-04

Well I.D.: MW-7

Sample I.D.: MW-7 / FD+ms/oms

Collector(s): J.C. Sperleter

Lab No.: 967475 / 967479

MW-72 ~ FD+ms/oms

PRE-PURGE

Well Material: (PVC) / Stainless / Galvanized / _____)
 Elevation top of Casing (TOC): 756.015 Ft
 SWL Depth from TOC: 11.26 Ft
 Well Depth from TOC: 42.10 Ft
 Height of Water Column: 30.84 Ft
 Volume/Foot Casing ($d^2 \times 0.04079$): 0.1632 Gal / Ft
 Volume of Water Column: 5.03 Gallons

Inside Diameter: 2 Inches
 Grade Elevation: 2754.02 Ft
 SWL Elevation: 244.76 Ft
 TOC to Grade: 22.0 Ft
 Well Depth from Grade: 40.1 Ft

PURGE

Time & Date Purged: 13:15 am / pm 9/21/04

Calculated Volume to Purge: 15.1 Gallons

Actual Volume Purged: 15.5 Gallons

Purged: dry / 1 2 3 4 5 6 7 8 9 10 Well Volumes

Purged With: Pump - Type: -na- Tubing Size: -na-
 Make: -na- Tubing Type: -na-
 (Bailer) (PVC / SS / Teflon / _____)

Rope Material: (Polypropylene / other: _____)

Equipment Dedicated? YES / NO Decontaminated With: Non-phosphate detergent wash
& de-ionized water rinses.

SAMPLING

Time & Date Sampled: 13:55 am / pm 9/21/04

Weather Conditions: Sky: clear Ground: Dry

Temp: 80°F Humidity: High / Moderate / Low %: _____ Wind: < 5 mph

Precipitation: None

SWL (Depth From TOC) Prior to Sampling: 11.26 Ft

Height of Water Column Prior to Sampling: 30.84 Ft

Recovery to 100 % of original water column depth.

Sampled With: Pump - Type: -na- Tubing Size: -na-
 Make: -na- Tubing Type: -na-
 (Bailer) (PVC / SS / Teflon / _____)

Rope Material: (Polypropylene / other: _____)

Equipment Dedicated? YES / NO Decontaminated With: Non-phosphate detergent wash
& de-ionized water rinses.

Water Appearance: (Clear) / Slightly Turbid / Very Turbid) (Color: gray / brown / tan / _____)

Containers Collected	(Size	&	Type)	Preservatives
	40 cc		glass vials	1 + 1 HCL
	-		-	-
	-		-	-
	-		-	-
	-		-	-

Were metals filtered prior to preservation?: YES / NO / METALS NOT SAMPLED

Filtration Method: (gravity / vacuum / pressure) Device Type: -na-

Filter: (cartridge / paper) Type: -na- Size: -na- Pore: -na-

Were samples iced after collection? YES / NO / -

Field Tests: pH Meter Type: _____ S.C. Meter Type: _____

Test Result

Temp: -- °C

pH: -- pH

S.C.: -- µmhos

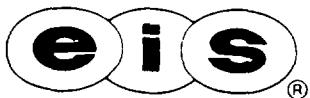
Notes: * TOC elevation data per EIS Survey of 9-25-96.

Field duplicate (FD+ms/oms) collected from well MW-7

@ 14:00 pm, 9-21-04.

-

-



MONITORING WELL SAMPLING FORM

Well I.D.: MW-10B
 Sample I.D.: MW-10B
 Collector(s): J.C. Spangler
 Lab No.: 967476

Sample Date: 9 / 21 / 04 15 : 20 am / pm
 Client: APG (Accra Pac Group) (1092)
 Project No.: 1092 - 04 01-01
 Location: 2626 Industrial Parkway, Elkhart, Indiana
 Laboratory: TestAmerica, Inc.

PRE-PURGE

Well Material: (PVC) / Stainless / Galvanized /)
 Elevation top of Casing (TOC): 753.835 Ft
 SWL Depth from TOC: 9.10 Ft
 Well Depth from TOC: 54.10 Ft
 Height of Water Column: 45.0 Ft
 Volume/Foot Casing ($d^2 \times 0.04079$): 0.1632 Gal / Ft
 Volume of Water Column: 7.348 Gallons

Inside Diameter: 2 Inches
 Grade Elevation: 754.17 Ft
 SWL Elevation: 744.735 Ft
 TOC to Grade: 2.0 - 0.33 Ft
 Well Depth from Grade: 54.93 Ft

PURGE

Time & Date Purged: 14 : 30 am / pm 9 / 21 / 04

Calculated Volume to Purge: 22 Gallons

Actual Volume Purged: 22 Gallons

Purged: dry / 1 2 3 4 5 6 7 8 9 10 Well Volumes

Purged With: Pump - Type: -na- Tubing Size: -na-
 Make: -na- Tubing Type: -na-
Bailer (PVC / SS / Teflon /)

Rope Material: (Polypropylene) / other: _____)

Equipment Dedicated? YES / NO Decontaminated With: Non-phosphate detergent wash
& de-ionized water rinses.

SAMPLING

Time & Date Sampled: 15 : 20 am / pm 9 / 21 / 04

Weather Conditions: Sky: clear Ground: dry concrete Wind: 0-5 MPH
 Temp: 83°F Humidity: High / Moderate / Low %: _____ Precipitation: none

SWL (Depth From TOC) Prior to Sampling: 9.12 Ft

Height of Water Column Prior to Sampling: 44.98 Ft

Recovery to 99.9 % of original water column depth.

Sampled With: Pump - Type: -na- Tubing Size: -na-
 Make: -na- Tubing Type: -na-

Bailer (PVC / SS / Teflon /)

Rope Material: (Polypropylene) / other: _____)

Equipment Dedicated? YES / NO Decontaminated With: Non-phosphate detergent wash
& de-ionized water rinses.

Water Appearance: Clear / Slightly Turbid / Very Turbid) (Color: gray / brown / tan / _____)

Containers Collected	(Size	&	Type)	Preservatives
	40 cc		glass vials	<u>1 + 1 HCL</u>
	-		-	-
	-		-	-
	-		-	-
	-		-	-

Were metals filtered prior to preservation?: YES / NO METALS NOT SAMPLED

Filtration Method: (gravity / vacuum / pressure) Device Type: -na-

Filter: (cartridge / paper) Type: -na- Size: -na- Pore: -na-

Were samples iced after collection? YES / NO / _____

OTHER

Field Tests: pH Meter Type: _____ S.C. Meter Type: _____

Test Result

Notes: * TOC elevation data per EIS Survey of 9-25-96.

Temp: — °C

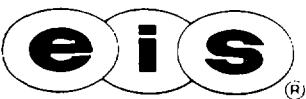
—

pH: — pH

—

S.C.: — umhos

—



MONITORING WELL SAMPLING FORM

Well I.D.: MW-14
 Sample I.D.: MW-14
 Collector(s): Josh Sporleder
 Lab No.: 967477

Sample Date: 9/21/04 14:15 am / pm
 Client: APG (Accra Pac Group) (1092)
 Project No.: 1092 - 0401-01
 Location: 2626 Industrial Parkway, Elkhart, Indiana
 Laboratory: TestAmerica, Inc.

PRE-PURGE

Well Material: (PVC) / Stainless / Galvanized / _____)
 Elevation top of Casing (TOC): 756.47 Ft
 SWL Depth from TOC: 11.51 Ft
 Well Depth from TOC: 49.2 Ft
 Height of Water Column: 37.69 Ft
 Volume/Foot Casing ($d^2 \times 0.04079$): 0.1632 Gal / Ft
 Volume of Water Column: 6.15 Gallons

Inside Diameter: 2 Inches
 Grade Elevation: 754.07 Ft
 SWL Elevation: 744.96 Ft
 TOC to Grade: 2.4 Ft
 Well Depth from Grade: ~46.8 Ft

PURGE

Time & Date Purged: 13:40 am / pm 9/21/04
 Calculated Volume to Purge: 18.42 Gallons
 Actual Volume Purged: 19 Gallons
 Purged: dry / 1 2 3 4 5 6 7 8 9 10 Well Volumes
 Purged With: Pump - Type: _____ -na- Tubing Size: _____ -na-
 Make: _____ -na- Tubing Type: _____ -na-
 (Bailer) (PVC / SS / Teflon / _____)
 Rope Material: (Polypropylene) / other: _____)
 Equipment Dedicated? YES / NO Decontaminated With: Non-phosphate detergent wash
 & de-ionized water rinses.

SAMPLING

Time & Date Sampled: 14:15 am / pm 9/21/04
 Weather Conditions: Sky: clear Ground: Pea gravel Wind: 0-5 MPH
 Temp: 82°F Humidity: High / Moderate / Low %: _____ Precipitation: none
 SWL (Depth From TOC) Prior to Sampling: 11.52 Ft
 Height of Water Column Prior to Sampling: 37.68 Ft
 Recovery to 99.97 % of original water column depth.
 Sampled With: Pump - Type: _____ -na- Tubing Size: _____ -na-
 Make: _____ -na- Tubing Type: _____ -na-
 (Bailer) (PVC / SS / Teflon / _____)
 Rope Material: (Polypropylene) / other: _____)
 Equipment Dedicated? YES / NO Decontaminated With: Non-phosphate detergent wash
 & de-ionized water rinses.

Water Appearance: Clear Slightly Turbid / Very Turbid) (Color: gray / brown tan / _____)

Containers Collected	(Size & Type)	Preservatives
40 cc	glass vials	1 + 1 HCL
—	—	—
—	—	—
—	—	—
—	—	—

Were metals filtered prior to preservation?: YES / NO METALS NOT SAMPLED

Filtration Method: (gravity / vacuum / pressure) Device Type: _____ -na-

Filter: (cartridge / paper) Type: _____ -na- Size: _____ -na- Pore: _____ -na-

Were samples iced after collection? YES / NO / _____

Field Tests: pH Meter Type: _____ S.C. Meter Type: _____

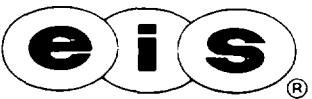
OTHER
Test Result

Temp: _____ °C

pH: _____ pH

S.C.: _____ μmhos

Notes: * TOC elevation data per EIS Survey of 9-25-96.



MONITORING WELL SAMPLING FORM

Well I.D.: MW-15
 Sample I.D.: MW-15
 Collector(s): Josh Sporleder
 Lab No.: 962478

Sample Date: 9 / 21 / 04 15 : 00 am / pm
 Client: APG (Accra Pac Group) (1092)
 Project No.: 1092 - 04 01-01
 Location: 2626 Industrial Parkway, Elkhart, Indiana
 Laboratory: TestAmerica, Inc.

PRE-PURGE

Well Material: (PVC) / Stainless / Galvanized / _____)
 Elevation top of Casing (TOC): 755.75 Ft
 SWL Depth from TOC: 10.73 Ft
 Well Depth from TOC: 47.55 Ft
 Height of Water Column: 36.82 Ft
 Volume/Foot Casing ($d^2 \times 0.04079$): 0.1632 Gal / Ft
 Volume of Water Column: 6.01 Gallons

Inside Diameter: 2 Inches
 Grade Elevation: 753.25 Ft
 SWL Elevation: 745.02 Ft
 TOC to Grade: ≈ 2.5 Ft
 Well Depth from Grade: ≈ 45.05 Ft

PURGE

Time & Date Purged: 14:25 15:39 am / pm 9 / 21 / 04
 Calculated Volume to Purge: 18.03 Gallons
 Actual Volume Purged: 18.5 Gallons

Purged: dry / 1 2 3 4 5 6 7 8 9 10 Well Volumes

Purged With: Pump - Type: -na- Tubing Size: -na-
 Make: -na- Tubing Type: -na-
 (Bailer) (PVC / SS / Teflon / _____)

Rope Material: (Polypropylene) / other: _____)

Equipment Dedicated? YES / NO Decontaminated With: Non-phosphate detergent wash
 & de-ionized water rinses.

SAMPLING

Time & Date Sampled: 15 : 00 am / pm 9 / 21 / 04
 Weather Conditions: Sky: clear Ground: Pea gravel Wind: 0 - 5 MPH
 Temp: 83°F Humidity: High / Moderate / Low %: _____ Precipitation: none

SWL (Depth From TOC) Prior to Sampling: 0.73 Ft
 Height of Water Column Prior to Sampling: 47.55 Ft
 Recovery to 100 % of original water column depth.

Sampled With: Pump - Type: -na- Tubing Size: -na-
 Make: -na- Tubing Type: -na-

(Bailer) (PVC / SS / Teflon / _____)

Rope Material: (Polypropylene) / other: _____)

Equipment Dedicated? YES / NO Decontaminated With: Non-phosphate detergent wash
 & de-ionized water rinses.

Water Appearance: (Clear / Slightly Turbid / Very Turbid) (Color: gray / brown / tan / _____)

Containers Collected	(Size & Type)	Preservatives
	40 cc glass vials	1 + 1 HCL
	— —	—
	— —	—
	— —	—
	— —	—

Were metals filtered prior to preservation?: YES / NO METALS NOT SAMPLED

Filtration Method: (gravity / vacuum / pressure) Device Type: -na-

Filter: (cartridge / paper) Type: -na- Size: -na- Pore: -na-

Were samples iced after collection? YES / NO / —

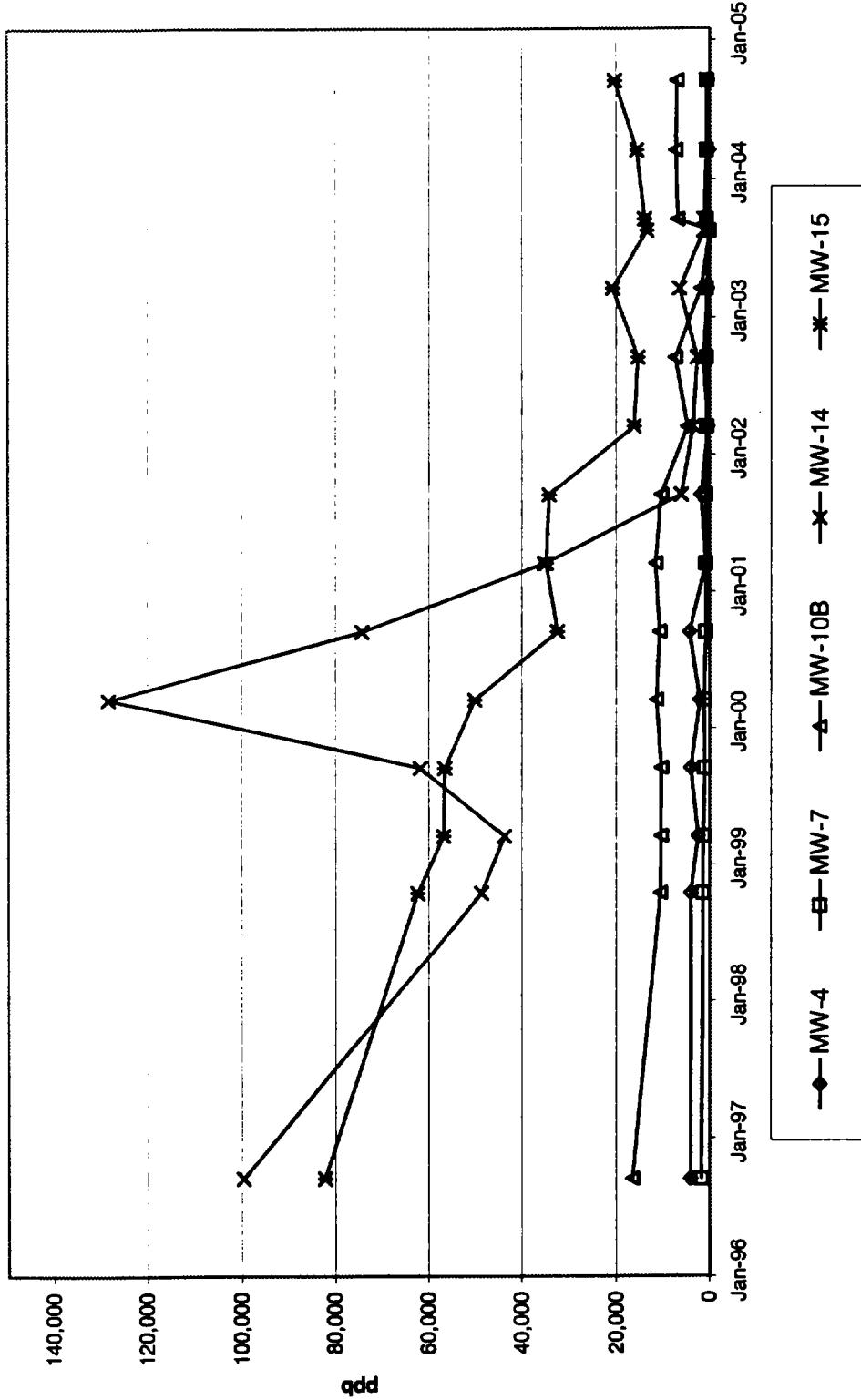
Field Tests: pH Meter Type: _____ S.C. Meter Type: _____

Test	Result	Notes:
Temp:	— °C	* TOC elevation data per EIS Survey of 9-25-96.
pH:	— pH	—
S.C.:	— µmhos	—

APPENDIX D
TREND GRAPHS

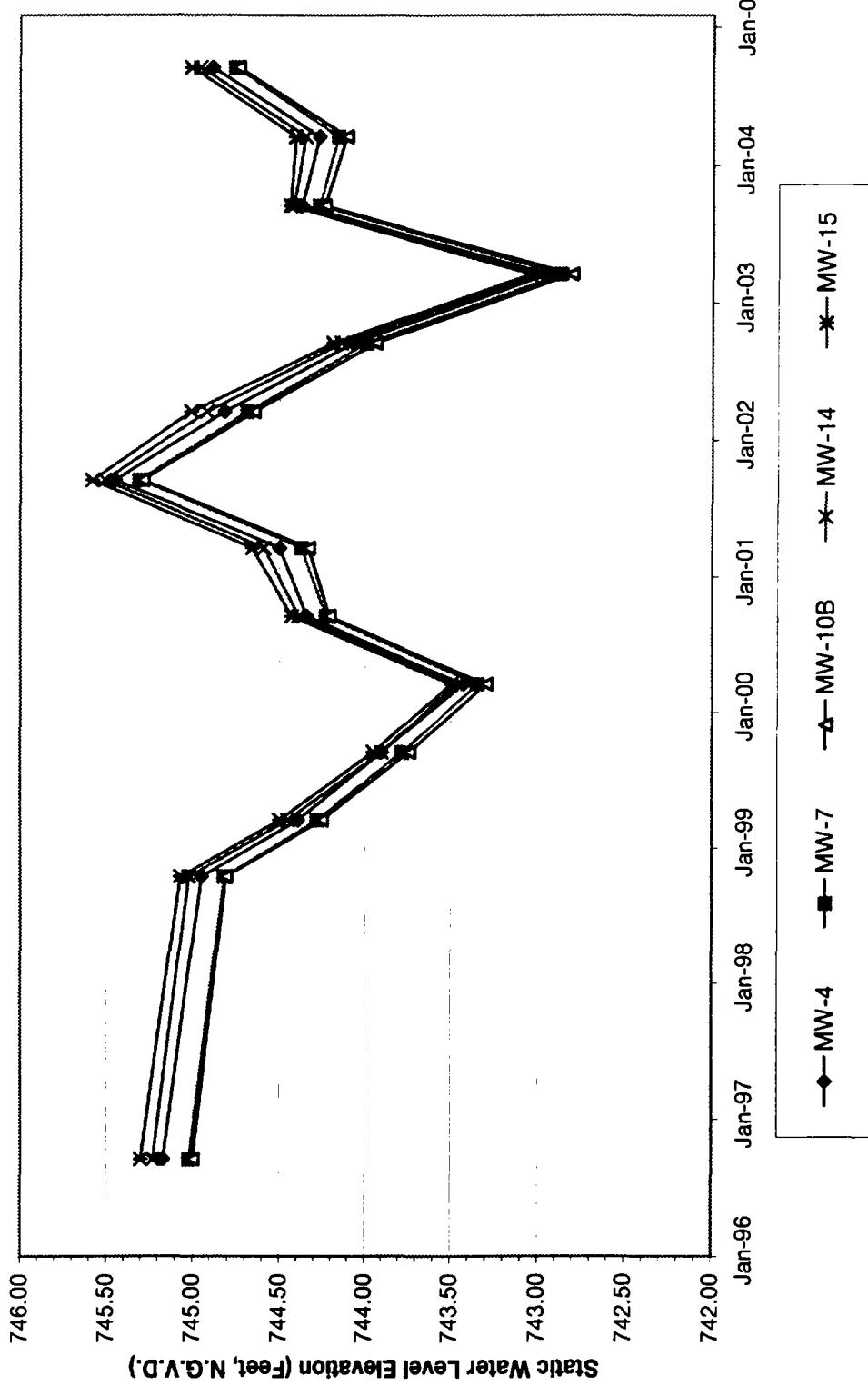
**Accra Pac - Warner Baker Site
2626 Industrial Parkway
Elkhart, Indiana**

**VOC 15
All Wells**

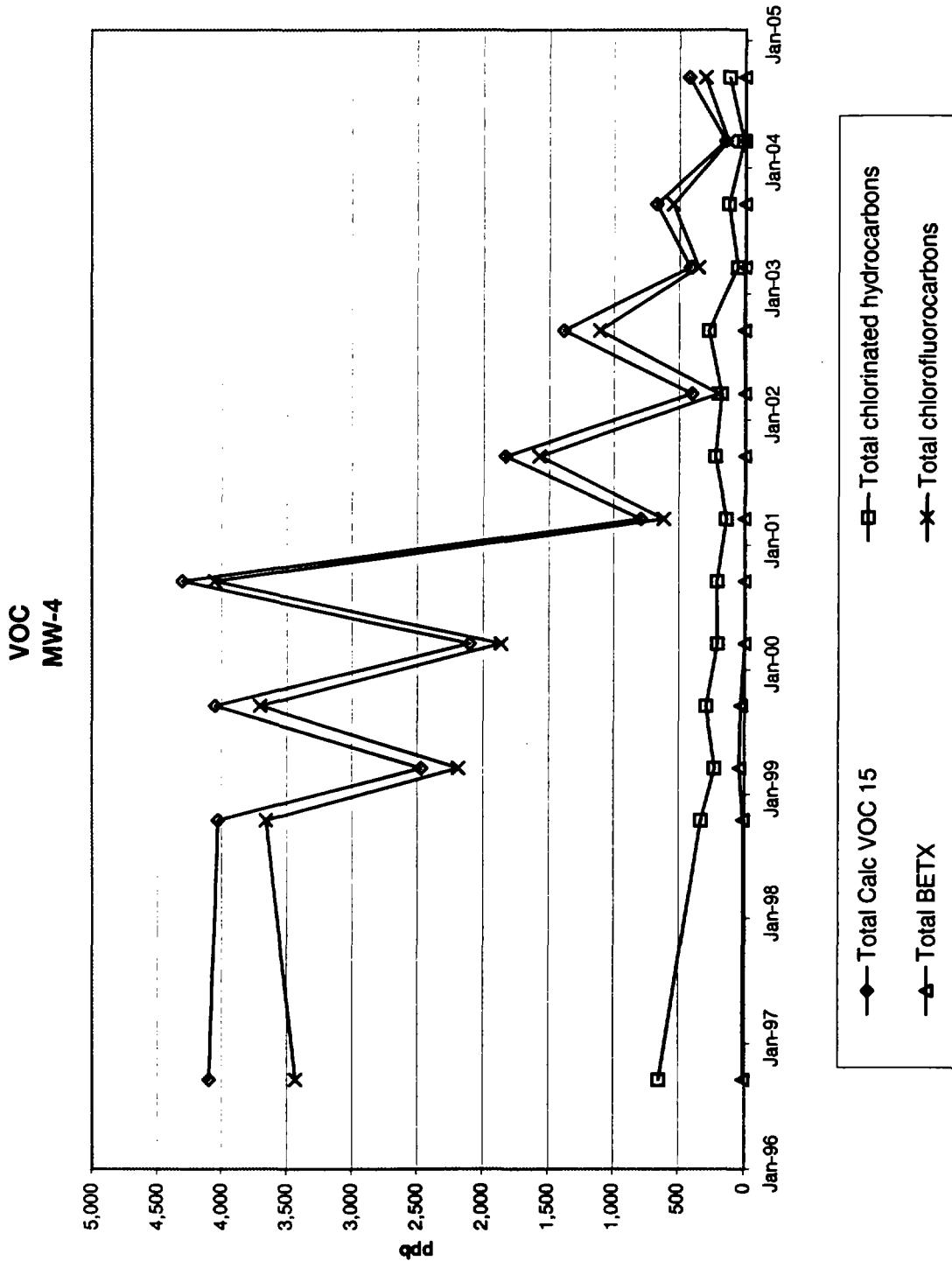


**Accra Pac - Warner Baker Site
2626 Industrial Parkway
Elkhart, Indiana**

**Static Water Level Elevation
All Wells**

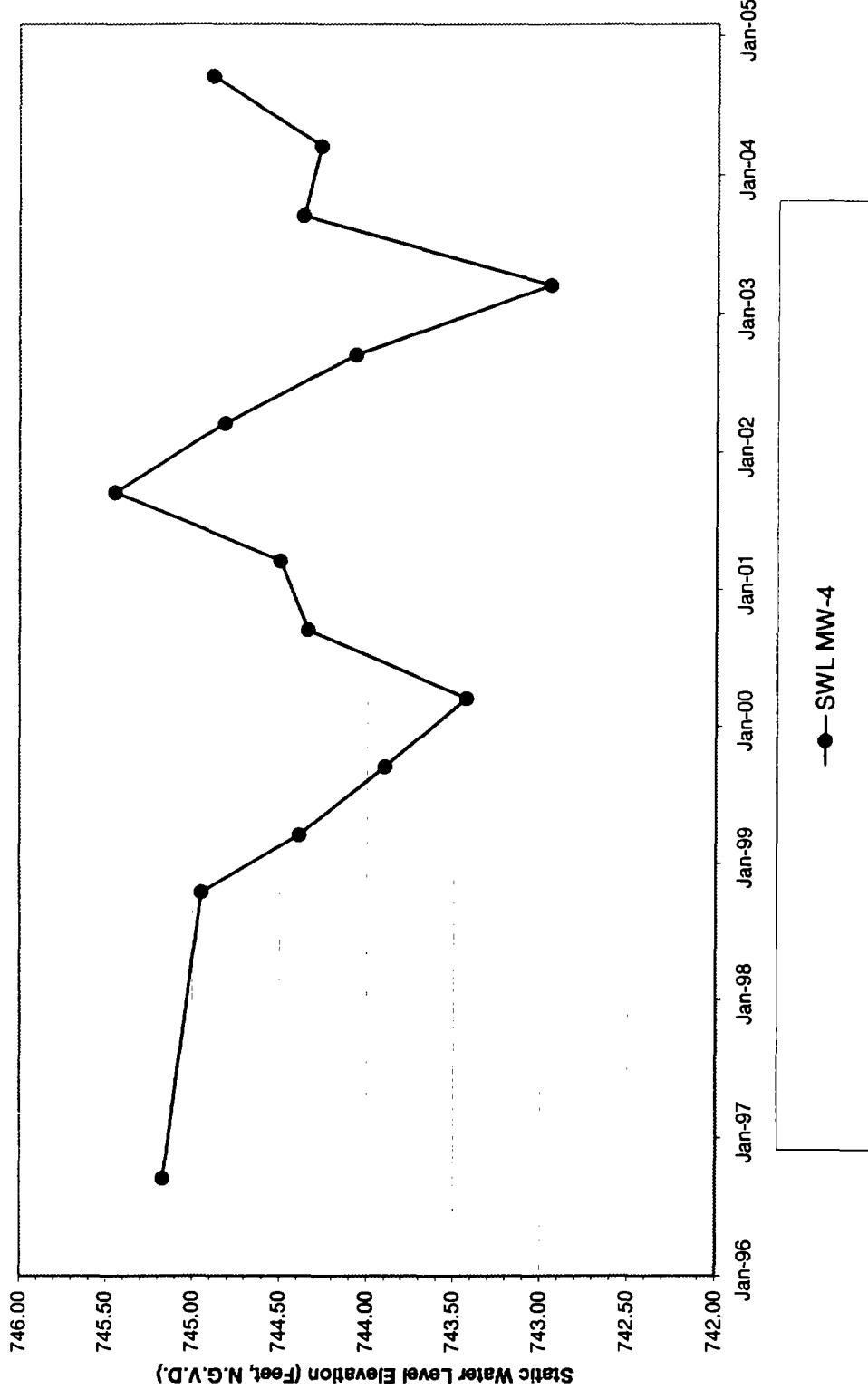


**Accra Pac - Warner Baker Site
2626 Industrial Parkway
Elkhart, Indiana**



**Accra Pac - Warner Baker Site
2626 Industrial Parkway
Elkhart, Indiana**

**Static Water Level Elevation
MW-4**



**Accra Pac - Warner Baker Site
2626 Industrial Parkway
Elkhart, Indiana**
Groundwater Monitoring Data

MW-4	9/30/1996	10/1/1998	3/30/1999	9/30/1999	3/29/2000	9/25/2000	3/22/2001	9/19/2001	3/20/2002	9/24/2002	3/18/2003	9/25/2003	3/18/2004	9/21/2004
1,2-Dichlorobenzene	<1	<10	<10	<10	<10	<10	<10	<10	<5	<1	<1	<1	<1	<1
1,1-Dichloroethane	580	220	120	190	170	180	110	170	160	211	48.9	86.6	6.8	102
1,2-Dichloroethane	<1	9.8	7	5.8	5.9	<5	<5	<5	<5	1.3	<1	<1	<1	<1
1,1-Dichloroethene	<1	<10	<10	<10	<10	<10	<10	<10	<5	9.5	<1	7.0	<1	<1
c-1,2-Dichloroethene	6.6	7.4	22	6	<5	<5	18	16	<5	5.7	<1	1.7	<1	2.1
Dichlorofluoromethane	43	90	74	86	63	47	36	75	<5	48.3	<1	26.2	<5	<5
Ethylbenzene	<1	<5	9.4	6.5	<5	<5	<5	<5	<5	<1	<1	<1	<1	<1
Tetrachloroethene	7.6	15	8.2	11	7.4	<5	<5	<5	<5	5.1	2.3	4.3	1.5	3.0
Toluene	<1	<5	5	<5	<5	<5	<5	<5	<5	1.8	<1	<1	<1	<1
1,1,1-Trichloroethane	36	66	46	74	20	29	9.7	28	9.2	36.9	7.8	23.2	3.8	9.4
Trichloroethene	6.4	13	12	7.1	5	<5	<5	5	<5	2.6	<1	1.1	<1	<1
Trichlorofluoromethane	<1	<10	<10	<10	<10	<10	<10	<10	<5	11.9	1.2	7.9	<1	1.6
1,1,2-Trichlorotrifluoroethane	3390	3570	2110	3620	1800	4010	580	1500	200	1050	354	514	130	300
Vinyl chloride	14	<10	12	<10	<10	<10	<10	<10	7.1	2.2	<1	1.2	<1	<1
Xylenes	13	14	32	26	<10	<10	<10	<10	<5	1.9	<1	<1	<1	<1
Total Calc. VOC 15	4099.1	4030.2	2470.1	4054.9	2103.8	4308	781.2	1832	403.8	1389.2	419.2	676.7	149.6	424.6
Total chlorinated hydrocarbons	650.6	331.2	227.1	283.9	208.3	209	137.7	225	176.3	274.3	59	125.1	12.1	116.5
Total BETX	13	14	41.4	32.5	0	0	0	0	0	3.7	0	0	0	0
Total chlorofluorocarbons	3433	3860	2184	3708	1883	4057	616	1575	200	1110.2	355	548.1	130	301.6
Static Water Level Elevation (Ft)	745.17	744.95	743.90	743.43	744.34	744.50	745.45	744.82	744.07	742.95	744.37	744.27	744.89	

NOTE:

For graphing purposes, non-detect values are calculated as follows:

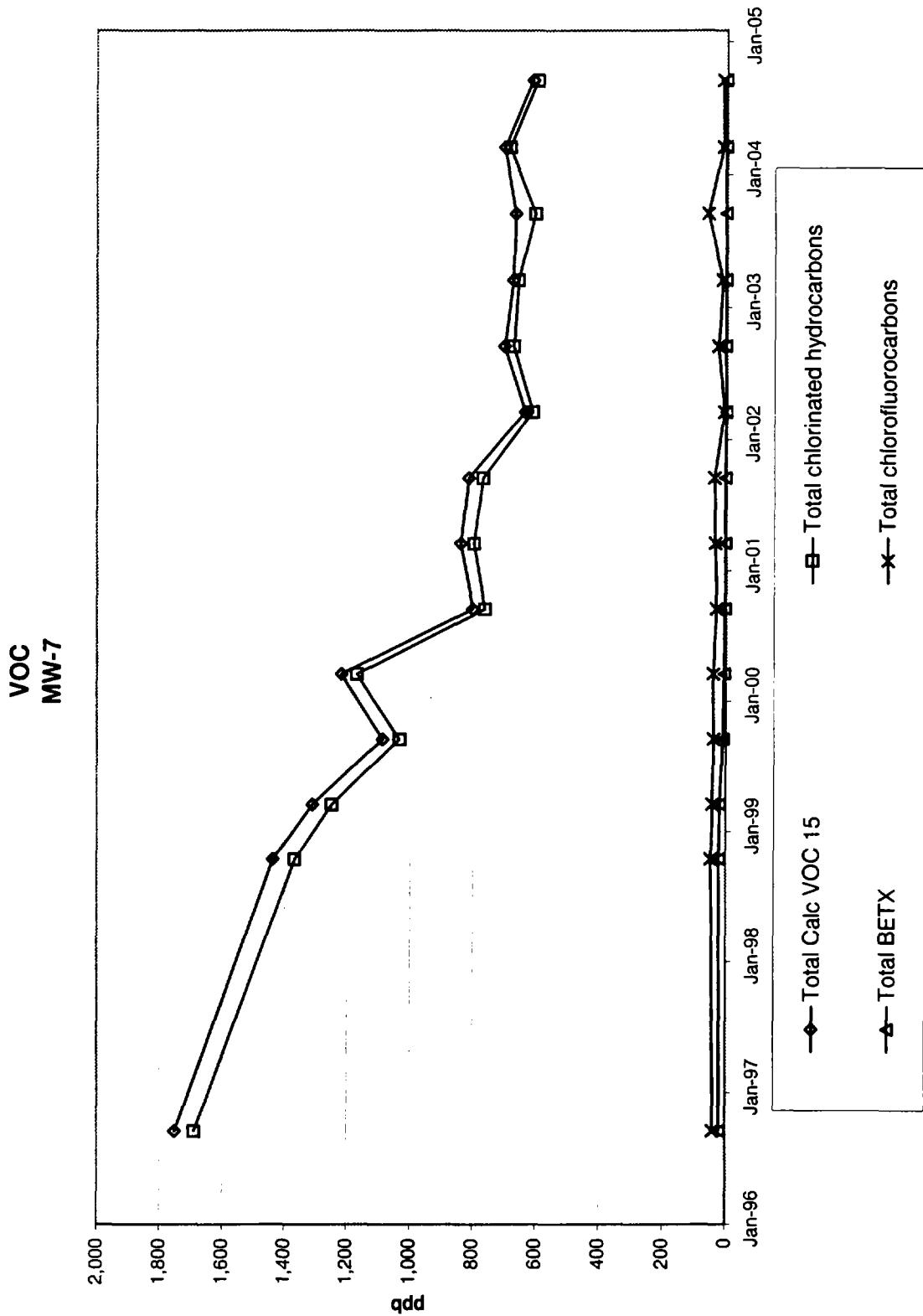
Total Calc. VOC 15: Non-detect values=1/2 detection limit.

Total chlorinated hydrocarbons: Non-detect values=zero.

Total BETX: Non-detect values=zero.

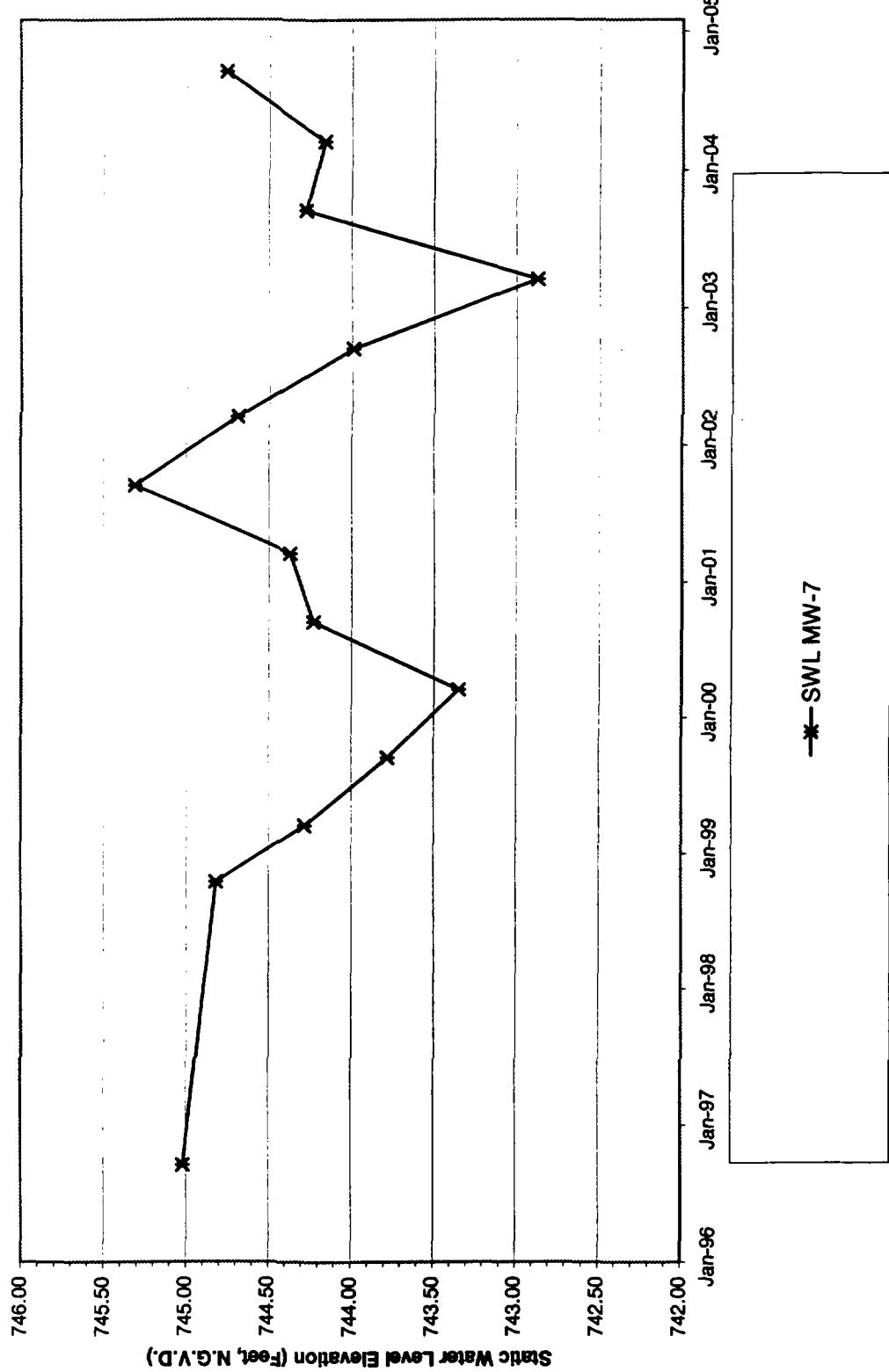
Total chlorofluorocarbons: Non-detect values=zero.

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**Static Water Level Elevation
MW-7**



**Accra Pac - Warner Baker Site
2626 Industrial Parkway
Elkhart, Indiana**

Groundwater Monitoring Data

MW-7	9/30/1996	10/1/1998	3/30/1999	9/30/1999	3/29/2000	9/25/2000	3/22/2001	9/19/2001	3/20/2002	9/24/2002	3/18/2003	9/25/2003	3/18/2004	9/21/2004
1,2-Dichlorobenzene	25	17	14	6.6	10	8.9	9.5	8.1	9.3	9.5	8.6	7.3	6.3	
1,1-Dichloroethane	1020	1030	810	910	550	570	540	430	491	512	452	535	460	
1,2-Dichloroethane	5.6	11	7.6	7.3	3.1	3.6	3.2	5.1	5.6	4	3.7	2.3	2.2	
1,1-Dichloroethene	24	9.2	9.1	6.9	8.7	6.8	10	5.2	<5	3.3	2.9	3.6	2.6	3.0
c-1,2-Dichloroethene	110	37	34	30	45	35	51	38	35	24.6	20.2	22.4	23.1	24.2
Dichlorofluoromethane	<1	28	26	21	23	15	20	15	<5	9.9	<1	43	<5	
Ethylbenzene	8	11	9.7	7.2	3.7	3.5	3.1	3.3	<5	2.4	1.7	2.3	1.6	1.7
Tetrachloroethene	6.3	6.7	5.9	5.1	5.3	3.3	4.1	4.7	<5	4.8	4.4	5.7	4.9	4.9
Toluene	2.8	4	3.3	2.2	2	<2	<2	<2	<5	<1	<1	<1	<1	<1
1,1,1-Trichloroethane	40	200	180	130	160	130	120	140	110	103	77	78	71.7	64.0
Trichloroethene	8.3	11	13	10	9.1	11	13	17	13	16.4	15.6	19.5	19.8	22.4
Trichlorofluoromethane	<1	<4	<4	<4	<4	<4	<4	<4	<5	2.2	1.2	1.5	1.2	1.0
1,1,2-Trichlorotrifluoroethane	40	19	16	18	17	15	14	23	6.7	13.8	11.3	15	9.9	10.2
Vinyl chloride	50	44	37	20	16	14	18	13	12	15.4	13.4	12.0	20.4	10.3
Xylenes	9.6	6.4	5.9	<4	<4	<4	<4	<4	<5	<1	<1	<1	<1	
Total Calc VOC 15	1750.6	1436.3	1309.9	1086	1217.7	801.7	840.7	817	637.4	702.7	674.7	668.3	703.3	613.7
Total chlorinated hydrocarbons	1689.2	1365.8	1247	1033.6	1168	763.2	798.6	771	613.2	657	659	605	687.1	597.3
Total BE TX	20.4	21.4	18.9	9.4	5.7	3.5	3.1	3	0	2.4	1.7	2.3	1.6	1.7
Total chlorofluorocarbons	40	47	42	39	40	30	34	38	6.7	25.9	12.5	59.5	11.1	11.2
Static Water Level Elevation (ft)	745.02	744.83	744.28	743.78	743.35	744.23	744.37	745.31	744.69	743.99	742.87	744.27	744.16	744.76

NOTE:

For graphing purposes, non-detect values are calculated as follows:

Total Calc. VOC 15: Non-detect values=1/2 detection limit.

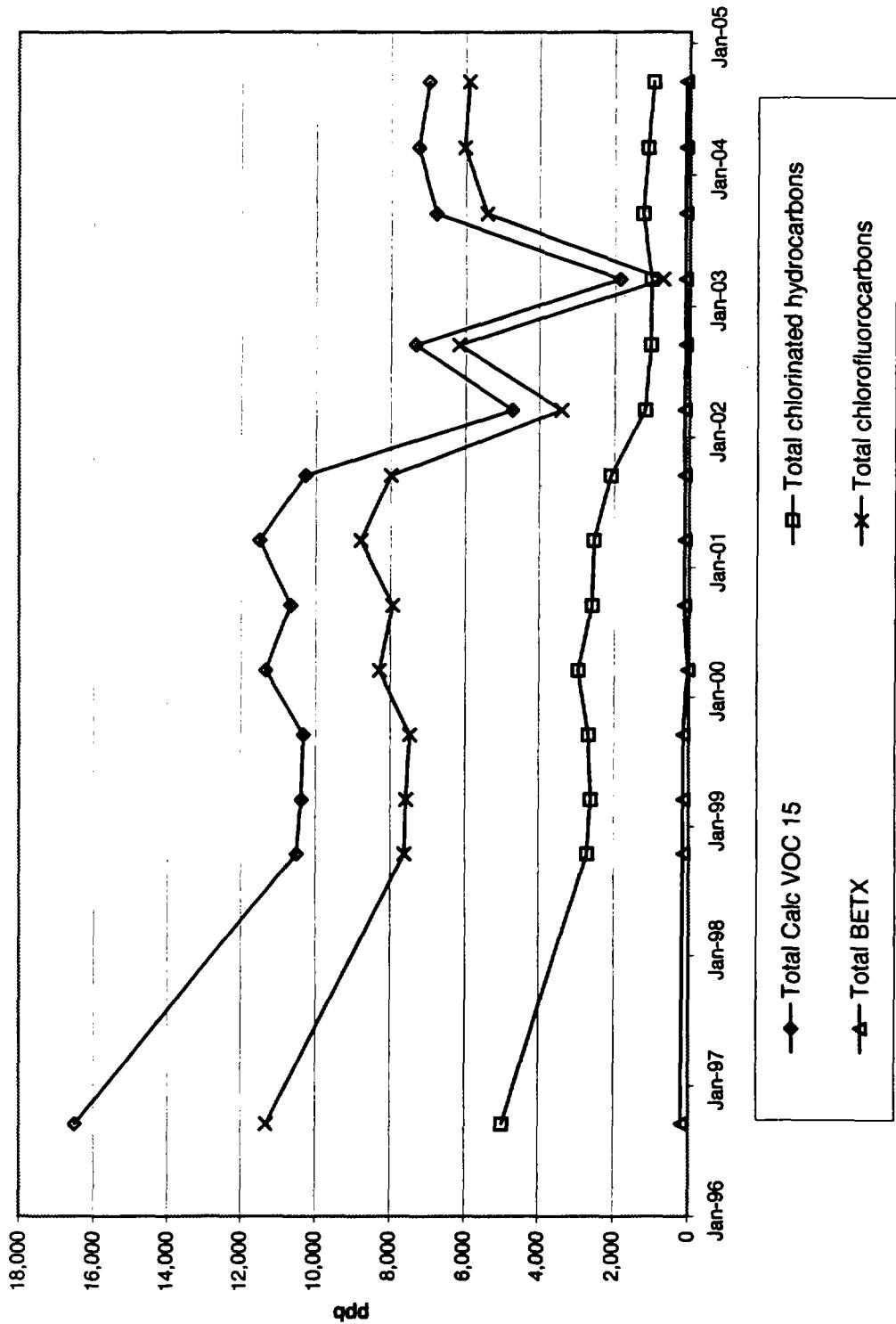
Total chlorinated hydrocarbons: Non-detect values=zero.

Total BE TX: Non-detect values=zero.

Total chlorofluorocarbons: Non-detect values=zero.

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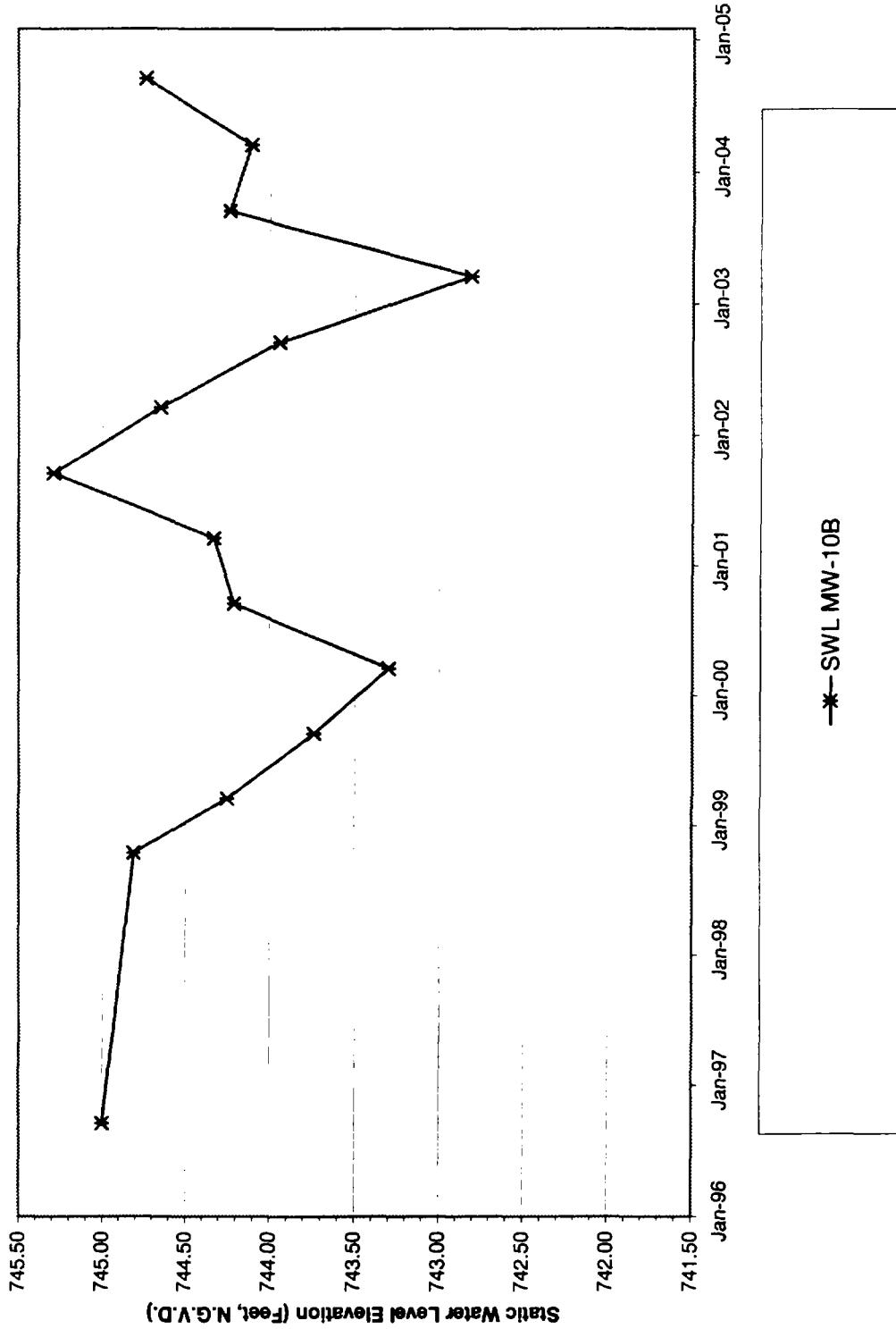
**VOC
MW-10B**



10/14/2004

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**Static Water Level Elevation
MW-10B**



10/14/2004

Accra Pac - Warner Baker Site
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Elkhart, Indiana
Groundwater Monitoring Data

MW-10B	9/30/1996	10/1/1998	3/30/1999	9/30/1999	3/29/2000	9/25/2000	3/22/2001	9/19/2001	3/20/2002	9/24/2002	3/18/2003	9/25/2003	3/18/2004	9/21/2004
1,2-Dichlorobenzene	<1	<20	<20	<20	<20	<20	<20	<20	<20	<5	<1	<1	<1	<1
1,1-Dichloroethane	2460	1470	1430	1540	1740	1550	1570	1100	590	511	538	710	663	585
1,1,2-Dichloroethane	15	10	12	10	11	11	11	<10	8.3	<5	4.5	5.6	3.7	3.2
1,1,1-Dichloroethane	84	39	43	42	45	36	48	26	14	40.2	21.7	37.7	21.6	<1
c-1,2-Dichloroethene	44	39	32	31	30	24	29	28	15	13.4	13.7	14.4	13.3	13.3
Dichlorofluoromethane	<1	180	550	470	800	800	620	<50	67	174	17	249	<5	76.9
Ethylbenzene	39	29	33	31	31	22	27	34	25	23.6	22	24.4	21.8	20.8
Tetrachloroethene	440	280	290	350	370	320	320	390	250	223	219	248	201	218
Toluene	<1	<10	<10	10	11	10	<10	<10	5	<5	4	3.6	3.3	2.8
1,1,1-Trichloroethane	1940	870	810	700	760	840	560	547	310	255	220	221	162	145
Trichloroethene	<1	<10	<10	<10	<10	<10	<10	<10	<5	<5	5	5.8	4.9	4.9
Trichlorofluoromethane	810	170	200	180	190	130	120	<20	39	33.6	21.6	26.6	21.6	22.2
1,1,2-Trichlorofluoroethane	10500	7270	6830	6830	7310	7010	8070	8000	3300	5970	677	5150	6010	5810
Vinyl chloride	18	<20	<20	<20	<20	<20	<20	<20	<20	4.1	<5	3.6	3.4	47.6
Xylenes	160	120	120	110	<20	100	100	88	100	85.8	90.8	89.7	82.4	74.4
Total Calc VOC 15	16512	10607	10380	10328	11333	10877	11605	10283	4732.4	7328.6	1858.4	6789.7	7259.2	6979.9
Total chlorinated hydrocarbons	5001	2708	2617	2873	2956	2580	2538	2091	1191.4	1042.6	1025.5	1245.9	1117.1	971.8
Total BTEX	199	149	153	151	42	132	127	122	130	109.4	116.8	117.7	107.5	98
Total chlorofluorocarbons	11310	7620	7580	8300	7940	8810	8000	3406	6177.6	715.6	5425.6	6031.6	5909.1	
Static Water Level Elevation (ft)	745	744.81	744.25	743.74	743.3	744.33	744.21	745.29	744.65	743.94	744.24	744.11	744.74	

NOTE:

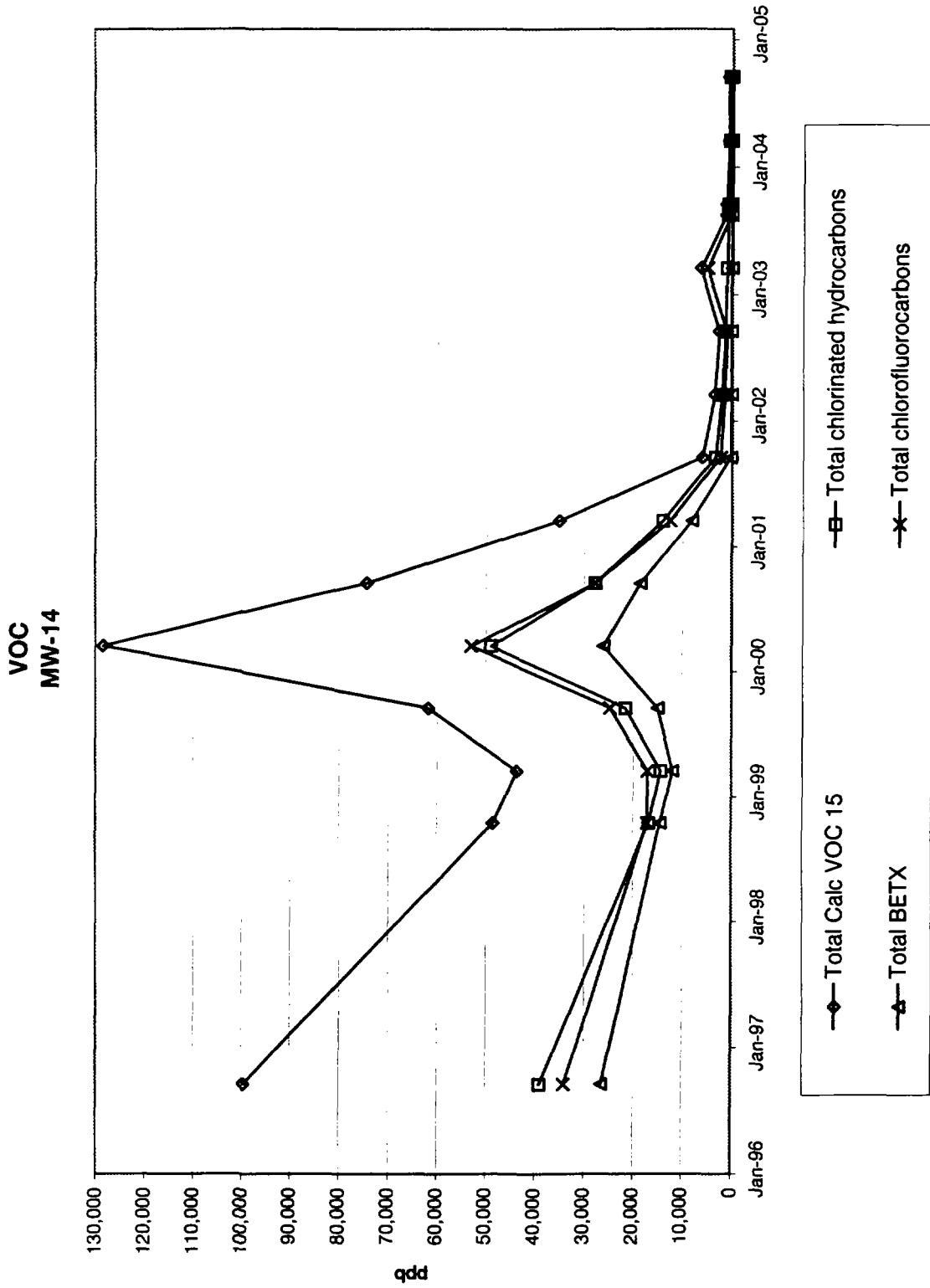
For graphing purposes, non-detect values are calculated as follows:
 Total Calc. VOC 15: Non-detect values= 1/2 detection limit.

Total chlorinated hydrocarbons: Non-detect values=zero.

Total BTEX: Non-detect values=zero.

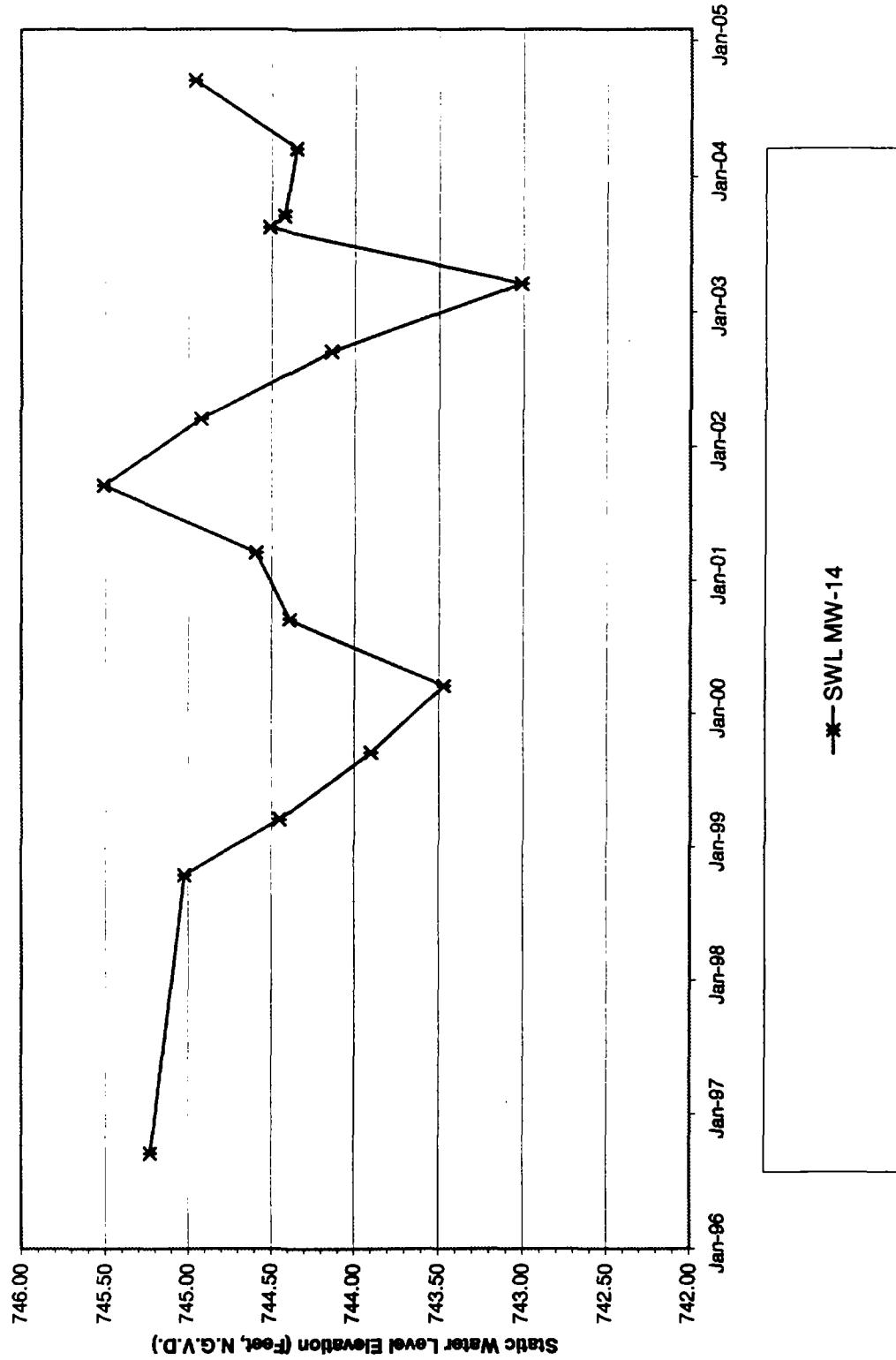
Total chlorofluorocarbons: Non-detect values=zero.

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**Static Water Level Elevation
MW-14**



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Elkhart, Indiana
Groundwater Monitoring Data

MW-14	9/30/1996	10/1/1998	3/30/1999	9/30/1999	3/29/2000	9/25/2000	3/22/2001	9/19/2001	3/20/2002	9/24/2002	3/18/2003	8/12/2003	9/25/2003	3/18/2004	9/21/2004
1,2-Dichloroethane	<1	<200	<200	<200	<200	<200	<200	<200	6.4	<1	5.2	4.1	<1	1.4	1.5
1,1,2-Dichloroethane	4370	2020	1770	2290	3340	1760	1080	685	330	258	261	162	117	69.2	57.7
1,1,2,2-Tetrachloroethane	<1	<100	<100	<100	<100	<100	<100	5.4	<2	1.3	<1	<1	<1	<1	<1
1,1,1,2-Tetrachloroethane	1030	550	550	710	1560	810	600	25	10	<1	7.3	2.7	5.3	<1	<1
c-1,2-Dichloroethene	<1	<100	<100	<100	<100	<100	<100	19	12	8.8	7.3	4.8	3.9	2.3	2.1
Dichlorofluoromethane	820	660	660	890	1560	750	<500	<5	16	51	<1	<1	<10	<5	<5
Ethylbenzene	630	350	390	480	770	390	220	87	62	48	46.2	27.7	24.9	4.4	3.4
Tetraethylbenzene	3290	2080	1850	2540	4520	3300	1720	595	440	401	343	314	283	210	207
Toluene	23300	12700	10100	12800	22300	16100	6870	6.4	<5	2.6	<1	<1	<1	<1	<1
1,1,1-Trichloroethane	30300	12100	10200	16100	39800	21900	10600	2030	940	600	435	304	242	157	115
Trichloroethene	<1	<100	<100	<100	<100	<100	<100	3.6	7.9	52.5	53	81.5	70.8	101	93.2
Trichlorofluoromethane	18600	8170	8690	13700	32600	15600	7010	1036	320	113	69.7	33.2	42.6	20.7	13.8
1,1,2,2-Tetrachlorofluoroethane	14700	8210	7690	10200	18600	11400	5490	1300	1100	951	5000	251	356	155	271
Vinyl chloride	<1	<200	<200	<200	<200	<200	<200	2.1	250	2.6	1.9	<1	<1	1.5	<1
Xylenes	2580	1390	1450	1720	3100	2000	1000	210	<5	176	167	93.7	75.8	11	1.1
Total Calc VOC 15	98622.5	48580	43720	61780	128400	74360	35190	6014	35018	26675	6400	128017	12223.3	737.5	770.3
Total chlorinated hydrocarbons	38990	16750	14370	21640	48320	27770	14000	3373	1956.3	1272.4	1115	873.1	722	542.4	476.5
Total BETX	4440	26510	11890	15000	26170	18490	8090	303	62	226.6	215	121.4	100.7	15.4	4.5
Total chlorofluorocarbons	34120	17040	17070	24790	52860	27750	12500	2335	1436	1115	5070	284.2	392.6	175.7	284.6
Static Water Level Elevation (ft.)	745.23	745.02	744.45	743.9	744.39	743.47	744.51	744.92	744.14	743.01	744.51	744.42	744.35	744.96	

NOTE:

For graphing purposes, non-detect values are calculated as follows:

Total Calc. VOC 15:

Non-detect values = zero.

Total chlorinated hydrocarbons: Non-detect values = zero.

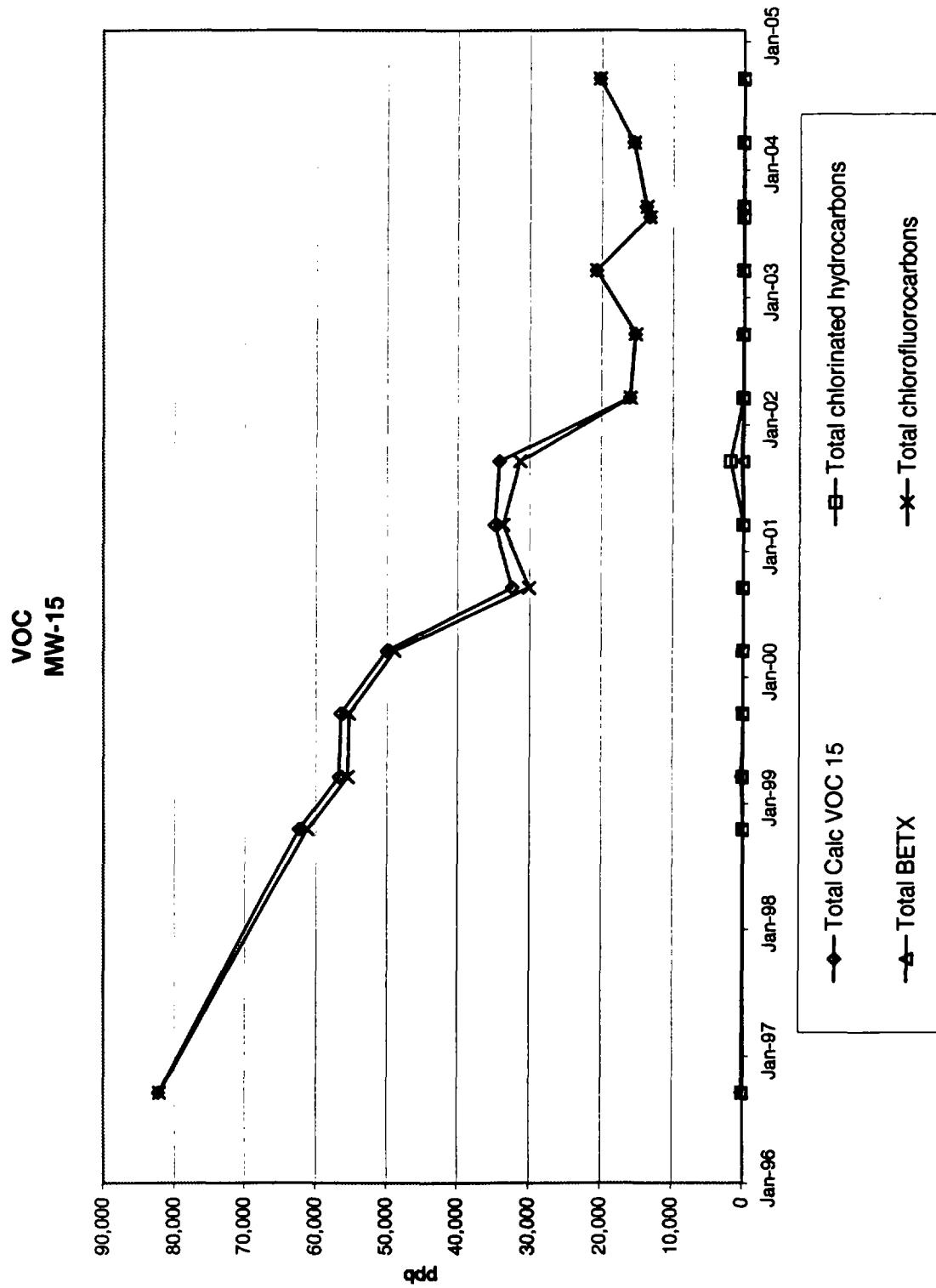
Non-detect values = zero.

Total BETX:

Non-detect values = zero.

Total chlorofluorocarbons:

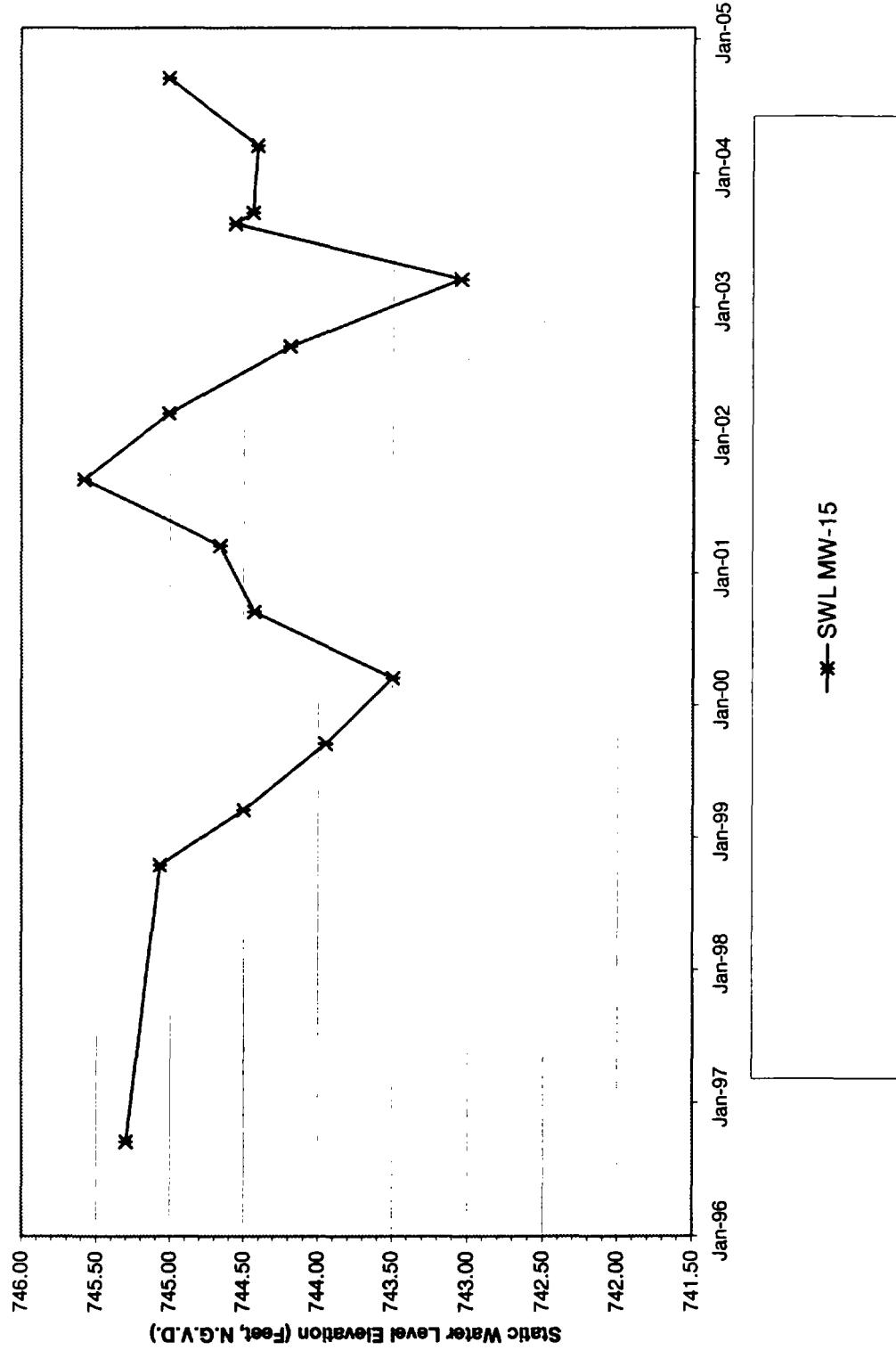
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**Static Water Level Elevation
MW-15**



**Accra Pac - Warner Baker Site
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Groundwater Monitoring Data**

MW-15	9/30/1996	10/1/1998	3/30/1999	9/30/1999	3/25/2000	9/25/2000	3/22/2001	9/19/2001	3/20/2002	9/24/2002	3/8/2003	8/12/2003	9/25/2003	9/25/2004	3/18/2004	9/21/2004
1,2-Dichlorobenzene	<1	<200	<200	<200	<200	<200	<200	<200	<200	<200	<10	<10	<1	4.2	<1	<1
1,1,2-Dichloroethane	<1	<100	<100	<100	<100	<100	<100	<100	<100	<100	<10	<1	1.2	1	1	
1,1,2-Dichloroethane	<1	<100	<100	<100	<100	<100	<100	<100	<100	<100	<1	<1	<1	<1		
1,1-Dichloroethene	<1	<200	<200	<200	<200	<200	<200	<200	<200	<200	<10	<1	50.6	<1	<1	
c-1,2-Dichloroethene	<1	<100	<100	<100	<100	<100	<100	<100	<100	<100	<10	<1	<1	<1	<1	
Dichlorofluoromethane	110	<500	<500	<500	<500	<500	<500	<500	<500	<500	<10	2.5	<1	<100	<5	
Ethylbenzene	<1	<100	<100	<100	<100	<100	<100	<100	<100	<100	<10	1.7	2.7	1.4	<1	<1
Tetrachloroethene	<1	<100	<100	<100	<100	<100	<100	<100	<100	<100	<10	1	<1	1.2	<1	<1
Toluene	<1	<100	<100	<100	<100	<100	<100	<100	<100	<100	<10	<1	<1	<1	<1	<1
1,1,1-Trichloroethane	<1	<100	<100	<100	<100	<100	<100	<100	<100	<100	<10	35	15.6	11	5.8	9.2
Trichloroethylene	<1	<100	<100	<100	<100	<100	<100	<100	<100	<100	<10	<1	<1	<1	<1	<1
Trichlorofluoromethane	<1	<200	<200	<200	<200	<200	<200	<200	<200	<200	<10	<1	<1	<1	<1	<1
1,1,2-Trichlorofluoroethane	82000	61200	55500	55400	48900	30100	33700	30400	18000	18000	15200	20700	13500	13700	15500	20300
Vinyl chloride	<1	<200	<200	<200	<200	<200	<200	<200	<200	<200	<10	<1	<1	<1	<1	<1
Xylenes	140	<200	200	<200	<200	<200	<200	<200	<200	<200	<10	9.4	13.2	6.6	3.7	<1
Total Calc VOC 15	82256	82350	56750	56850	50050	32450	34198	34850	16081.5	16280.6	20730.1	13330.9	13823.3	15521.4	20309	
Total chlorinated hydrocarbons	0	0	0	0	0	0	0	0	1810	35	15.6	12	10	61.8	10.2	0
Total BETX	140	0	200	0	0	0	0	0	158	18	0	1.7	15.9	8	3.7	0
Total chlorofluorocarbons	82110	61200	55500	55400	48900	30100	33700	31360	18000	15200	20702.5	13300	13700	15500	20300	
Static Water Level Elevation (Ft)	745.30	745.07	743.50	743.85	744.43	744.66	745.58	745.01	744.19	743.05	744.51	744.44	744.41	745.01		

NOTE:

For graphing purposes, non-detect values are calculated as follows:

Total Caic. VOC 15:

Total chlorinated hydrocarbons: Non-detect values=zero.

Total BETX:

Non-detect values=zero.

Total chlorofluorocarbons:

Non-detect values=zero.